

## Education

1987	Master of Architecture, University of Utah
1973	Bachelor of Science, Health Science, University of Wisconsin-LaCrosse

## Registration

1993	Architect, State of Washington
1999	NCARB - National Council of Architectural Registration Boards
2000	Architect, States of Hawaii and Ohio
2002	Architect, States of Texas, Missouri, and Alabama, Illinois
2009	Architect, States of Arizona and Indiana

## Professional Memberships

1993-present	American Institute of Architects
1998-present	American Zoo and Aquarium Association
1998-present	Pan African Association of Zoological Gardens, Aquaria and Botanic Gardens
2011-present	World Association of Zoos and Aquariums

## Professional Practice

1997-present	President: PJA Architects + Landscape Architects, p.s., Seattle, Washington
1989-1997	Senior Associate: Jones & Jones Architects and Landscape Architects, Seattle, Washington
1988-1989	Project Designer/Manager: Heike Design Associates, Milwaukee, Wisconsin

# Resumé

## Publications

*Exhibit Design for Carnivores: 2012 AZA Annual Conference, Phoenix, Arizona  
2012 WAZA Annual Conference, Melbourne, Australia*

*Design Guru* Attractions Management, March 2004

*Can New Zoo Design Keep the Conservation Message while Increasing Its Entertainment Value?*  
1999 World Zoo Conference. October 1999, Pretoria, South Africa.

*Design of Elephant Holding Facilities and Exhibits.* Report to the AZA Elephant Planning  
Initiative, The American Association of Zoos and Aquariums. January 1999.

*Designing for Primates on Both Sides of the Exhibit.* Symposium for the Management of Captive  
Population of Chimpanzees, The Jane Goodall Institute-Taiwan 1998.

*Exhibit Planning - A Synergistic Approach: Designing for a Philosophy, not a Personality.* 1996  
Conference Proceedings, American Association of Zoos and Aquariums.

*New Directions in Master Planning - Put the Encyclopedia Back on the Shelf, and Take Down the  
Novel.* 1998 Eastern Regional Conference Proceedings, American Association of Zoos and  
Aquariums.

# Project Experience 1

## **Columbus Zoo Master Plan**

Columbus Zoo, Columbus OH, 2014-2015. Principal in Charge. Comprehensive planning services for the long term development of exhibits and attractions, representing five separate regional zones; Wild World, Asia Quest, The Americas, African Forest, and the Islands.

## **Brookfield Zoo Baboon Exhibit**

Brookfield Zoo, Brookfield, IL, 2014-2015. Principal. A total renovation of the existing baboon exhibit which will improve public viewing and provide indoor viewing areas for visitors. The new exhibits will present Hamadryas baboon, African Crested Porcupine, and Meerkats, in simulated natural habitats and culturally relevant architectural references. Features include training walls, amphitheater, crawl tunnels, multiple viewing walls, and an indoor viewing space suitable for special events and evening functions.

## **Africam Safari Pitama Master Plan**

Pitama, Chile, 2014. Principal in Charge. A master plan for a new 100 hectare safari park that includes vehicle safaris, walking zone, restaurants, retail venues, and interactive live animal exhibits. The park will also include multiple lodging options, fine dining, a winery, and mountain bike/horseback riding trails.

## **Ankara Zoo Master Plan**

Ankara, Turkey, 2014. Principal in Charge. A master plan for a new 50 hectare safari park that includes vehicle safaris, walking zone, restaurants, retail venues, and live animal exhibits representing animals from around the world. The park design also included design of the main entry, a themed shopping plaza, and a science center.

## **New Doha Zoo**

Doha, Qatar, 2014-2015. Principal in Charge. Development of working drawings for a new 100 hectare safari park in the mid-east that will exhibit animals from around the globe in simulated natural habitats, that include; African savanna, African forest, Asian montane, Asian grassland, and South American rainforest enclosed in a high-tech dome structure. The project includes a driving safari, walking safaris, and a river boat ride in the tropical zone.

## **Jacksonville Zoo – Asia Exhibits**

Jacksonville Zoo, Florida, 2011-2013. Principal. The first major new exhibit complex to follow the most recent master plan this multiple species exhibit includes hornbill, small-clawed otter, babirusa, Visayan warty pig, and two tiger exhibits. Visitor experiences include underwater viewing, overhead transfer of tigers, pop-up bubbles, and a climate controlled function space for special events.

## **Zoológico Nacional - Master Plan**

Santiago de Chile, Chile, 2013. Principal in Charge. The existing zoo is located on a hillside within a major park within the City limits. The Zoo currently presents slopes higher than 10% due to its hill side location. The Master Plan proposes a new visitor path with the a maximum of 5% slope to meet worldwide standards and a new Geographic organization for the entire zoo. A new and improved animal collection has been proposed and a new story line that ties all together.

## **Al-Bustan - Wildlife Safari Park**

Al-Bustan, UAE, 2012. Principal in Charge. The site is over 500 acres of undeveloped desert landscape. This park is a hybrid between a zoo, a night zoo, a safari park, a theme park, and resort, all celebrating the connections and interactions between man and animals. The conceptual focus of this park is on creating authentic places and memorable experiences with wildlife.

## **Oklahoma City Zoo - Veterinary Hospital**

Oklahoma City, Oklahoma, 2011 to present. Principal in Charge. Working with GSB, PJA helped design a new multi-building complex that houses a commissary, administrative offices, treatment facilities, animal holding and quarantine rooms, and a necropsy. The vernacular design uses local materials to blend in with the nearby Oklahoma Trails area of the zoo. Visitors can view the bison exhibit from a large plaza, or watch behind-the-scene surgeries and animal care within the hospital.

## **Oakland Zoo - California!**

Oakland, CA, 2006 to present. Principal Architect. This new exhibit development creates a native California animal experience in a previously undeveloped area of the zoo. The species list includes grizzly bear, black bear, cougar, jaguar, wolf, bison, Tule elk, small mammals, amphibians, and reptiles. Visitors will arrive to the remote location via an aerial tram and will enjoy both the animal exhibits, the interpretive center, the gift shop, and the restaurant with views of the San Francisco Bay area.

Patrick Janikowski, Principal

# Resumé

## Project Experience 2

### **Moody Gardens - Tropical Rainforest**

Galveston, TX 2009-2011. Principal in Charge. Moody Gardens renovated their existing rainforest building after damage from Hurricane Ike in 2008. Working with local architects and engineers, PJA was responsible for the development of new animal exhibits and the renovation of existing habitats. With over 30 species to be displayed, PJA is working closely with the staff of Moody Gardens to provide state of the art exhibits. The animals exhibited will include: Giant River Otter, Chinese Alligator, Duiker, Leaf Cutter Ants, Caiman Lizard, Bats, Butterflies and other tropical forest fauna.

# Resumé

### **Reid Park Zoo – African Expansion Concept Plan & Elephant Exhibit**

Tucson, Arizona, 2007-2011. Principal in Charge. The Concept plan includes immersive exhibits for elephant, hoofed stock, wild dog, wart hog, rhino, meerkat, and other small mammals. First phase exhibit design includes holding facilities and habitat for elephant and visitor facilities.

### **Oklahoma City Zoo Master Plan**

Oklahoma City, OK, 2010. Design Principal. The Oklahoma City Zoo Master Plan was developed during a series of interdisciplinary workshops involving the client and the team of consultants that included architects, landscape architects, engineers, interpretive designers, cost estimators, operations experts and business planners.

### **El Paso Zoo - Passport to Africa**

El Paso Zoo, El Paso, Texas, 2004-2010. Design Principal. A new precinct of the zoo dedicated to exhibiting animals of the African Plains in an experience that will make visitors believe that "they are there". The exhibits include; Giraffe, Zebra, Gazelles, Antelope, Mandrill, Wild Dog, Warthog, Lion, Meerkat, and a number of reptiles, invertebrates, and amphibians.

### **Zhengzhou Safari Park Master Plan/Schematic Design**

Zhengzhou, P.R. China, 2010. Design Principal. This project represents a new 1,000 acre safari park that is the anchor attraction for a major new residential development outside the city. The plan includes a drive-thru open range savanna experience and walking trails that exhibit animals for Africa, Asia, and select iconic species from around the world.

### **Tbilisi Zoo - Master Plan**

Tbilisi, Georgia, 2010. Principal in Charge. PJA, along with three other international design firms, was invited to compete in creating a master plan for a new Tbilisi Zoo. The organizational theme for the Tbilisi Zoo is 'Voyage of Discovery'. It is based on the notion that the visitor is on a journey to see the world's flora and fauna, following established routes of other famous explorers. It is a string of places connected by travelers and explorers from different times and places. From the Silk Road to the New World to the Heart of Africa, zoo visitors will have the opportunity to trace Marco Polo's footsteps, Stanley and Livingstone's safaris, or James Cook's ocean voyages.

### **National Zoo - Asia Trail II**

Washington, DC, 2006-2010. Principal Architect. PJA is an integral member of the design/build team renovating the existing elephant barn and habitats and serves as zoological consultant to the team's primary architectural firm in developing the holding building containment, and as prime landscape architect for the site design, visitor experience, habitat furnishings, and planting design. The project will enlarge the available area for the elephants three times and will create a series of interconnected habitats which will exhibit two bull and five cow Asian elephants.

### **Houston Zoo - African Forest Exhibit**

Houston, Texas, 2011. Principal in Charge. Concept design through construction for a new 13-acre exhibit featuring gorillas and chimpanzees, along with many other species found in the forests of Gabon.

### **Australia Zoo Hotel**

Berwah, Australia, 2008. Principal in Charge. The Australia Zoo, Home of the Crocodile Hunter (Steve Erwin) is in the midst of a series of major expansion projects. The new resort hotel is envisioned as a destination resort that will be family friendly, provide a variety of accommodations, multiple dining experiences, opportunities for viewing African animals, and includes first class conference facilities. The hotel of 350 rooms is complemented by an overnight tent camp, day spa, two swimming pools, and nature trails.

# Project Experience 3

## **Columbus Zoo – Polar Frontier**

Columbus Zoo, Ohio, 2011. Principal in Charge. Design in collaboration with URS Columbus, this new exhibit encompasses 17 acres of expansion land for the zoo and is designed to immerse visitors in a simulated Alaskan environment. Dramatic views of polar bear, brown bear, arctic fox, and Dall sheep are encountered along a circuitous trail through typical Alaskan plant communities. A renovated building houses interpretive exhibits, classrooms, and special events space and an outdoor children's adventure area encourages active play.

## **Singapore Zoo – KidzWorld Rainforest Challenge**

Singapore Zoo, Singapore, 2006-2009. Principal in Charge. An entirely new children's park that will replace the existing children's zoo, the Rainforest Challenge will be an activity zone that focuses upon entertainment, excitement, and appreciation for the rainforest. The area includes active playscapes, animal contact zone, an amphitheater with animal shows, a restaurant and café, and a water play zone.

## **Indianapolis Zoo – Cheetah Exhibit**

Indianapolis, Indiana, 2008-2009. Principal in Charge. The new cheetah exhibit will include two enclosures and a bat-eared fox exhibit. The design of the exhibit is both naturalistic and activity based and will provide viewing opportunities of existing elephants and the African Plains exhibits.

## **Emperor Valley Zoo – Master Plan**

Emperor Valley Zoo, Trinidad and Tobago, 2006-2009. Principal in Charge. The new master plan proposes a reorganization of the zoo by zoo-geographic zones and the complete renovation of the existing zoo exhibits, visitor services, and the public park space. Phase one of the plan includes a Children's Play Park where kids will climb rope bridges, get lost in a maze, cool-off in a water play area, and peer down on their parents from an elevated tree house.

## **Moody Gardens – Arktos**

Galveston, Texas, 2008. Principal in Charge. Moody Gardens is proposing a new venue at their multi-experience park. The new arctic exhibits will be housed beneath a climate controlled transparent structure designed by one of the world's most well known architects. The animals exhibited will include: Beluga whale, seal, walrus, polar bear, arctic wolf, and arctic fox. Arctic birds will be exhibited in free flight within the domed structure, and veterinary facilities are included in the plan.

## **Buffalo Zoo – M&T Bank Rainforest Falls**

Buffalo, New York, 2007-2008. Principal in Charge. The new rainforest project at the zoo will provide indoor exhibits beneath a technologically advanced building shell designed by Foit-Albert Associates. Animals represented include vampire bats, anaconda, piranha, tarantula, poison dart frogs, ocelot, anteater, monkeys and a unique mixed species exhibit of caiman and capybara. Free flight birds soar above visitors, and a roaring waterfall plunges 25 feet from atop the simulated "tepui" plateau.

## **Singapore Zoo – River Safari**

Singapore Zoo, Singapore, 2011. Principal in Charge. The project of River Safari exhibits the wildlife of the five of the great rivers of the world. This adventure will include "swimming with the polar bears", captivating water rides and thrilling dark rides.

## **National Zoo - Master Plan**

Washington, DC, 2006-2008. Principal in Charge. The master plan for the National Zoo is being developed by a multi-disciplinary team that includes a campus planning firm, a zoological design firm, civil engineering, landscape architects, environmental compliance firm, and operations consultants. The proposed improvements will be implemented in the next ten years and include visitor and service circulation, infrastructure upgrades and improvements, parking revisions, additional and improved visitor services, and future animals exhibits.

## **Columbus Zoo - Asia Quest**

Columbus, Ohio, 2003-2008. Principal in Charge. Design of a new major attraction immersing visitors in a journey through the habitats of the Amur tiger, red panda, markhor, and sun bear. Interpretive design for the "Search for the Amur Tiger".

## **Windows to Africa – Safari Park & Resort**

Hainan, P.R. China, 2007. Principal Architect. An entirely new safari park on Hainan Island the only true tropical habitat in China, the park includes resort style lodging, animal exhibits, entertainment venues, and a major restaurant. The African safari includes animals from all major biomes and is viewed from a thematic safari vehicle, the coastal portion of the park includes exhibits of marine life including penguins in an indoor environment.

# Resumé

Patrick Janikowski, Principal

# Project Experience 4

## **Dallas Zoo - Wilds of Africa II**

Dallas, Texas, 2007. Principal Architect. Development of a concept plan, infrastructure plan, and cost estimate for a 10-acre African savanna exhibit on land currently not being used to exhibit animals. The project will exhibit multiple animal species in a simulated African landscape setting and will include. The visitor amenities include a viewing pavilions with restrooms, two giraffe feeding stations, a demonstration area, a water play area, and a special events tent with restrooms.

## **Ocean Park Hong Kong - Polar Adventure**

Hong Kong, P.R. China, 2012. Principal in Charge. A totally new immersive animal experience, the Polar Adventure will take visitors on a journey through the landscape and native animals of the north and south pole. Huge natural looking pools will exhibit walrus, seals, and beluga whale, free-flight birds will soar in the enormous domed roof, and penguin species will be experience from above, below, and in the water.

## **Hangzhou Safari Park – Polar Adventure/African Savanna/Discovery Center**

Hangzhou Safari Park, P.R. China, 2006-2007. Principal in Charge. The design and development of these three precincts in the park marks the implementation of the master plan completed in 2005. Each of the large new areas includes exhibits of animals by geographical location and the Discovery Center is an indoor activity center specifically designed for young children. It includes learning spaces, small animal exhibits, parallel play areas, and fun elements in immersive settings that replicate underground, terrestrial, and arboreal habitats.

## **Singapore Night Safari – West Loop Master Plan/Finale Concept**

The Night Safari, Singapore, 2006. Principal. The master plan for the west loop increases the length of the ride experience and the finale concept creates an entertaining and exciting ending for this first of its kind night safari. The west loop will highlight the nocturnal animals of South America and includes a treetop lodge for night viewing of the small creatures of the forest.

## **Jurong Birdpark – Master Plan Update/South American Exhibit**

Jurong Birdpark, Singapore, 2006. Principal. The new master plan builds upon the foundations set in the original plan by PJA and introduces new areas that highlight geographical regions not currently exhibited in the park. The schematic design for a new South America exhibit includes small mammals not typically exhibited at the Birdpark in order to present a more comprehensive and authentic visitor experience.

# Resumé

## **Jurong Birdpark – Penguins on Parade**

Jurong Birdpark, Singapore, 2006. Principal. This project is a renovation of an existing penguin facility that included rehabilitation of the holding areas, water filtration system, and public viewing space. The renovation includes an interpretive plan that is interactive and informative and new viewing area will immerse visitors in the cold and icy world of penguin habitat.

## **Buffalo Zoo - Otter and Sea Lion Exhibits**

Buffalo, New York, 2002-2006. Principal in Charge. The design of the new sea lion pool includes an amphitheater for shows, unique visitor access to viewing points in the center of the pool, and a state-of-the-art bio-filter system. The otter enclosure mimics an up-state New York Stream.

## **Missouri Botanical Garden**

St. Louis, Missouri, 2002-2006. Principal in Charge. Development of a children's garden with interactive play areas themed around "Old Missouri" including extensive water play areas and a boardwalk/obstacle course through the crowns of existing mature trees. The garden will be an attraction for family outings and provide fun, discovery-based education about botany and Missouri.

## **Summit Park - Master Plan**

Panama City, Panama, 2005. Principal Architect. PJA, at the request of the Mayor of Panama City, is developing a Master Plan to help take Summit Park through privatization. The Master Plan will focus on separating the existing zoo and botanical garden into two distinctive elements. Given the proper attention they deserve, the zoo can focus on new, exciting regional animal exhibits while the botanical garden can address its unique history.

## **Hangzhou Safari Park - Master Plan**

Hangzhou, P.R. China, 2005. Principal Architect. The design for this 600-acre park emphasizes large naturalistic exhibits that provide the animals with species-appropriate enrichment. The Master Plan includes tram rides, a botanically inspired amusement park, a Discovery Center that exhibits small animals, as well as a Recreation and Retail District.

# Project Experience 5

## **Houston Zoo - Natural Wonders Building**

Houston, Texas, 2002-2005. Principal in Charge. Renovation of the existing Small Mammals Building into an immersion-based journey to view small animals.

## **Milwaukee County Zoo - Feline/Pachyderm Exhibits**

Milwaukee, Wisconsin, 2003-2005. Principal in Charge. The renovated feline, pachyderm, and giraffe house and exhibits area will showcase the work of a modern zoo and provide indoor winter viewing of animals.

## **Melbourne Zoo - A Journey Through Southeast Asia**

Melbourne Zoo, Melbourne, Australia, 2004. Design Principal. The second phase of the Asian Precinct, which began with the design and construction of the Trail of the Elephant exhibit in 2003, includes master planning the entire precinct and exhibit designs for Orangutan, Gibbon, and Sumatran Tiger. The Orangutan exhibit recreates a modern day rescue centre and combines fully enclosed and open exhibit areas that complement animal management and natural behavior.

## **Lincoln Park Zoo - Regenstein Center for African Apes**

Chicago, Illinois, 2001-2004. Principal in Charge. Teamed with local architects to design a new great ape facility to replace their existing facility, which was considered "State-of-the-Art" at the time it was built. Project includes indoor and outdoor exhibits for gorillas and chimpanzees.

## **Columbus Zoo - Long Range Plan Update**

Columbus Zoo, Ohio, 2004. Principal in Charge. The Long Range Plan for the Columbus Zoo includes the development of newly acquired land, the expansion of the adjacent water park, a new entry and new zoogeographic exhibit zones.

# Resumé

## **Virginia Zoo - Master Plan**

Virginia Zoo, Norfolk, Virginia, 2004. Design Principal. The Master Plan takes an innovative direction regarding zoogeographic organization and interpretation that emphasizes animals and interactivity as planning criteria.

## **Columbus Zoo - Australiasia**

Columbus, Ohio, 2001-2004. Principal in Charge. Phase II of the Australia and the Islands project. Visitors start out from Bob and Evelyn's Roadhouse to undertake an eco-tourism trip through the highly immersive Nocturnal Exhibit, the Rainforest Temple and the Lorikeet Aviary, all enriched with cultural artifacts.

## **Oakland Zoo - Children's Zoo**

Oakland, California, 2002-2004. Design Principal. Design of otter and alligator exhibits in the context of the children's zoo. The exhibits are integrated with play areas that tie into typical behaviors and activities of the animals on display.

## **Houston Zoo - Spectacled Bear Exhibit**

Houston, Texas, 2001-2003. Principal in Charge. In April 2003 the renovated Spectacled Bear Exhibit was opened. An old-fashioned moat-like exhibit had been turned into a naturalistic habitat with climbing trees, a waterfall and a pool.

## **Birmingham Zoo - African Exhibits**

Birmingham, Alabama. 2002-2003. Principal in Charge. Concept design for a Zulu Village that is integrated with immersion exhibits for hippos, black rhinos, lions, Nile crocodiles, Watusi cattle, helmeted turtles, and several bird species.

## **Columbus Zoo - The Islands**

Columbus, Ohio, 2000-2003. Principal in Charge. Phase I of the Australia and the Islands project. Indonesian boats take the visitors past komodos, orangutans, gibbons and otters. Exhibits can also be viewed along an immersion trail.

## **Birmingham Zoo - The Hugh Kaul Children's Zoo**

Birmingham, Alabama, 2001-2002. Design Principal. Worked with local architects to develop a new children's zoo based on the theme of Native Alabama. Exhibits include animals from urban, rural and wild Alabama.

## Project Experience 6

### **Los Angeles Zoo - Pride of LA**

Los Angeles, California, 2001-2002. Principal in Charge. A new natural habitat exhibit for African lions. This design allows open-air viewing, as well as up-close glass viewing in an immersive exhibit for both animals and guests.

### **Woodland Park Zoo - Wild Dog Exhibit**

Seattle, Washington, 2000-2002. Principal in Charge. Presenting a rarely shown species in a savanna landscape bordered by a seasonal stream. Sense of place is enforced by highly naturalistic artificial termite mounds, casts of animal tracks, and thematic planting. Visitors can enjoy different vistas as well as sheltered viewing of dens.

### **Woodland Park Zoo - African Village**

Seattle, Washington, 1999-2002. Principal in Charge. Project Architect for the design of a new African Village Gateway Interpretive Center adjoining the existing African Savanna Exhibit. Work also included design of a new African Wild Dog (finished 2002) exhibit, a new circulation pattern for the African Savanna and concept designs for a new Asian Plaza.

### **Oakland Zoo - Native California Master Plan**

Oakland, California, 2000-2002. Principal in Charge. Master Plan for the new 80-acre Native California Habitat project. Oakland residents passed a bond issue to fully support this project.

### **Henry Vilas Zoo - Tropical Aviary**

Madison, Wisconsin, 1999-2002. Design Principal. Development of an Indoor Tropical Rainforest that highlights South American birds, mammals and reptiles, and focuses on biodiversity.

### **Buffalo Zoo - Master Plan**

Buffalo, New York, 2001. Principal in Charge. Master Plan for the existing Zoo, using water as the organizational theme for the exhibits. Realization of the first phase (otters and sea lions by PJA) started in the summer of 2002.

# Resumé

### **Oakland Zoo - Front Entry Complex**

Oakland, California, 1999-2001. Design Principal. Designs for the new Front Entry Gate and Ticketing Area Project also included development of a new restaurant, gift shop and plaza with an East African theme.

### **Gaia Park - Master Plan**

Kerkrade, Netherlands, 2001. Principal in Charge. Development of a Master Plan for a new zoo on a 23-hectare site. Work included master planning, exhibit concepts and cost estimating. Project was fully funded one month after completion of the scope of work.

### **Columbus Zoo - Habitat Hollow**

Columbus, Ohio, 1999-2001. Principal in Charge. Design of a new interpretive center "Habitat Hollow" for the North America Region of the Zoo. The project centers around an interactive house explaining the four elements making up a habitat: Space, food, water, shelter.

### **Houston Zoo - Veterinary Hospital**

Houston, Texas, 2000. Principal in Charge. Design of a new state-of-the-art facility to handle all levels of veterinary care, as well as a number of the Zoo's administrative tasks.

### **Jurong BirdPark - Master Plan**

Jurong, Singapore, 1999-2000. Principal in Charge. Master planning and concept design for one of the largest and most renowned bird parks in the world. Project includes updating the existing exhibits and concept design for new exhibits to bring the park to the forefront of exhibiting birds for the 21st century.

### **Gorilla Foundation - Maui Preserve**

Maui, Hawaii, 1999-2001. Principal in Charge. Phase I includes design for a 70-acre sanctuary and research facilities for the continuing study and care of great apes with an emphasis on gorillas. Phase II will include visitors' center, staff housing, and commissary.

### **Honolulu Zoo - Southeast Asia Exhibit**

Honolulu, Hawaii, 1999. Principal in Charge. Development of construction drawings from existing plans for a Southeast Asia Exhibit including elephants, gharials, gibbons, and sun bears.

## Project Experience 7

### **Monkey World - Ape Rescue Center**

Wareham, Dorset, England, 1999. Design Principal. Concept plans and renderings for new chimpanzee, orangutan, and gibbon exhibits and holding buildings. Development of a master plan for new 40-acre expansion.

### **Jane Goodall Institute - Chimpanzee Sanctuary**

Taipei Zoo, Taiwan, 1998. Principal in Charge. Concept plan for two new chimpanzee exhibits and a 7-acre chimpanzee sanctuary. Production of concept renderings.

### **Columbus Zoo - East African Plains Exhibit**

Columbus Zoo, Columbus, Ohio, 1998. Principal in Charge. Ongoing involvement in the Schematic Design and Design Development phases of a 65-acre exhibit replicating the East African Savanna.

### **Friguia - Master Plan**

Kanta Hotels, Port El Kantaoui, Tunisia, 1998. Concept Architect. Responsible for the Concept and Schematic Design of a 100-acre Animal Park based on the theme of Ancient North Africa.

### **Disney's Animal Kingdom**

Walt Disney Imagineering, Walt Disney World, Orlando, Florida, 1992-1998. Project Architect. Involvement from conceptual design through construction, dealing with all animal facilities and exhibits, including art direction of natural and architectural facades.

### **Disney's Animal Kingdom Lodge**

Walt Disney Imagineering, Walt Disney World, Orlando, Florida, 1997. Concept Architect/Project Coordinator. Involved in the design of a 1300-room Safari-style Lodge with viewing of savanna animals from guest's bedroom balconies.

# Resumé

### **Guyana Biodiversity Park**

Guyana Biodiversity Park Committee, Georgetown, Guyana, 1997. Design Principal. Master Plan for 110 acres of existing zoo and botanic garden. Focus on the six major bioregions of Guyana. Also developed a mini master plan for a Tropical Rainforest Exhibit.

### **Wild Places**

Powers Construction Company, Capetown South Africa, R.S.O., 1997-1998. Design Consultant. Conceptual design for a 150-acre animal/theme park/hotel.