



Andrew Gambling

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Education

Master of Industrial Design, North Carolina State University, 2008

Cultural Brand Development, North Carolina State University, Czech Republic, 2007

Bachelor of Science Mechanical Engineering, University of Virginia, 2003

Academic Experience

Professor, School of Communication Arts, Raleigh NC, 2008

Department of Digital Media

Responsible for teaching an introductory course in graphic design developing and implementing new course material

Course Listing:

DM 104

Teaching Assistant, North Carolina State University, Raleigh NC, 2007 – 2008

Department of Industrial Design & College of Design

Lead new graduate students through the design process in an introductory design studio

Researched and developed creative thinking aids for undergraduate and graduate students

Instructed freshman students in a design thinking course

Course Listing:

ID400

D100

Research Assistant, University of Virginia, Charlottesville VA, 2002 – 2003

Researched, developed, and prototyped a control system for an intelligent walking aid

Professional Experience

Principal Innovation Engineer, Pepsi, Valhalla NY, 2009 - Present

Manage concept and innovation development process for new beverage equipment

Support and grow visual communication strategy and PR material

Designed and implemented a living knowledge management system

Design Consultant, Meld Inc, Raleigh NC, 2006 – 2008

Advised the VP on brand development and brand extensions to focus new product development

Adapted concrete for house-hold product design to help establish an emerging market segment

Design Intern, Meadwestvaco, Raleigh NC, 2007 – 2008

Successfully supported sales staff with prototype design samples to established new business accounts

Initiated communication and information sharing between the business development team, the market insight team, and the design team

Energized and created cohesion between interns and full-time staff

Design Consultant, NCSU, Center for Universal Design, Raleigh NC, 2006 – 2007

Designed ultra-sound probe covers to improve user ergonomics for radiology technicians at Duke Medical

The design was taken from concept prototypes to a usable product in three months

Design Consultant, Chair-A-Table, Innovative Development Lab, NCSU, Raleigh NC, 2006

Designed a light-weight wheel-chair using proprietary technology

Mechanical Engineer, Department of Defense, Navair, Havlock NC, 2003 – 2005

Spearheaded multiple research projects to reduce structural failures of key aircraft support equipment

Modernized structural analysis procedures to reduce project life-cycles on several aircraft platforms

Professional Society Membership

IDSA (Industrial Design Society of America)

Research

Brand Semantics: Visual Communication through Product Details, 2008

Material Library Implementation and Preservation, 2007

The History and Use of Narrative in the Design Process, 2007

Methods for Creative Thinking in Design and Problem Solving, 2007

Implementing User Constraint Systems for Controlling an Intelligent Walking Aid, 2002 – 2003

Exhibitions

Material Exploration and Experimentation, North Carolina State University, 2008
Innovation Development Lab, North Carolina State University, 2006

Awards

Winner, New York Islanders Logo Design Competition, 2008
Graduate Faculty Book Award, North Carolina State University, 2008
L. Franklin Bost Scholarship Recipient, North Carolina State University, 2007
Pi Tau Sigma honor society, University of Virginia, 2001 – 2003

Skills

Product design, prototyping, machining, 3D modeling and rendering
Sketching, visual communication
Market research and analysis, survey development and analysis, consumer feedback analysis
Consumer packaging design
Brand, product, and user research

Software

Adobe Photoshop, Adobe Illustrator, Adobe Indesign, MS Word, MS Excel, MS Power Point,
Solidworks, Rhino, Alias, Statistical Analysis Software, and ArtiosCAD

Travel Experience

Africa – South Africa, Botswana, Zimbabwe

Asia – China

Europe – Czech Republic, France, Spain, United Kingdom, Austria, Slovakia, Croatia, Germany, Italy,
Russia, Ukraine, Romania, Turkey

Central America – Mexico, Costa Rica

North America – Canada, United States

Service

American Foundation for Suicide Prevention, New York City Walk, 2008
Adopt a Family, Raleigh NC, 2007