

Brett "Buzz" Dawson

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Objective: An interesting position with a company that can utilize my varied skill set and benefit from my creative design, ideas, and problem solving.

Experience: Orlando Science Center Orlando, FL
Exhibit Developer January 2005 to Present

- Planned, designed and oversaw the construction and installation of permanent and temporary traveling exhibits and displays.
- Conferred with administrative, curatorial and exhibit staff members.
- Wrote, designed and produced The Big Bang Show; a live show about the science of explosions. This involved close work with the local Fire Marshall, Bomb and Arson Squad, Police Department, and Sheriff's Office.
- Was instrumental as the creative director in developing Otronicon (<http://www.Otronicon.org>) which is a yearly exhibit on the science and technology of videogames.
- Developed a custom gaming interface that received over one million hits on our website on the first day resulting in a web server crash.
- Designed and built the World's Largest Pinewood Derby Track for use as a teaching tool as part of the Discover Daytona 500 Exhibit.
- Procured, developed, and installed an audience response system for use in the performance theater as a teaching tool for schools.
- Oversaw preparation of artwork and construction of Simulation Hall exhibit components.

Davinci Robotics Educational Foundation, LLC. Orlando, FL
Engineering Instructor February 2003 to July 2005

- Wrote a curriculum in association with BattlebotsIQ to teach Math, Science, and Physics through applied robotics
- Partnered with the University of Central Florida College of Engineering and Computer Science to teach Fundamentals of Mechanical Design in the field of robotics.
- Official announcer for BattlebotsIQ as well as announcing FIRST (formerly US FIRST) Southeast Regional competitions.
- Mentored several schools in the development of their competition robots for BattlebotsIQ and FIRST Robotics.
- One of only two people designated by BattlebotsIQ as a teacher instructor to teach teachers how to implement the curriculum in their classrooms.

Rivr Media Knoxville, TN
Television Host December 2002 to August 2004

- Co-host a television show on the Do It Yourself Network called Robot Rivals.

- Mentor teams of college students in the rapid design and development of a task-based robot.
- Convey scientific and engineering principles directly to the viewer.
- Discuss how components of a robot are similar to components that are found in the everyday world and how they work.

Lockheed Martin Space Operations

Kennedy Space Center, FL

Network Engineer

April 2000 to March 2003

- Manage Network Security infrastructures for the Checkout and Launch Control Systems project.
- Perform regular intrusion attempts to discover weaknesses in network security layers.
- Monitor and analyze all network traffic involving the new Firing Room and all systems associated with it.
- Manage Checkpoint Firewalls and VPN Tunnels to other NASA Facilities as well as the Vehicle Assembly Building, Launch Control Complex, Orbiter Processing Facility, and Hypergolic Maintenance Facility.

References: Available upon request