

Craig Calkins

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OBJECTIVE

Seeking an entry level opportunity in Electrical Engineering, Testing, or Technical fields.

PROJECTS

- Built small mouse robot, based on a front loader, designed to find cheese and return to designated area. **Personally designed** the sensor system for robot mouse.
 - **Wrote** program to weave two photos into one panoramic with adjustment for color and aspect.
 - Built an array of microelectromechanical devices in a clean room setting
 - Headed a design team that developed a heat powered barbecue light.
 - **Designed and built** two generations of automobile-based computer.
 - Rebuilt a classic Italian sports car.
 - **Designed and constructed** furniture using wood and metal.
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EDUCATION

Bachelor of Science, University of California, Santa Barbara

Electrical Engineering, December 2008

Emphases in Computer Vision, Multimedia, Microelectromechanical Systems

SKILLS

COMPUTER BASED SKILLS

Hardware familiarity:

- Macintosh – OSX (10.6), OS9 and older, OSX Server (10.5, 10.3),
- PC -- Windows 95, 98, XP, 7, Linux (Fedora, Ubuntu), Unix,
- Sony, Nikon, and Canon still and motion cameras (consumer grade).

Application competencies:

- MS Word
- Blender (3D rendering suite)
- X11
- Adobe Photoshop
- Apple Final Cut Pro
- Excel
- MATLAB
- Dreamweaver 8
- Adobe InDesign
- Apple Final Cut Studio 2
- Powerpoint
- Mathematica
- QuarkXpress

Language Competency: C, C++, HTML, PHP, Basic, and Assembly.

MECHANICAL BASED SKILLS

- Computer repair
- Car repair
- Debugging
- Fabrication with wood, acrylic, and metal
- Soldering
- Welding (Arc)
- Brassing

EXPERIENCE

Founder/President -- AeroSwine LTD, LLC., Malibu, CA

May 2008 - Present

- Provide small-scale engineering solutions in design and functional prototyping.
- Engineered and produced a lighting solution for an Xbox 360 display console
- Digital image capture and manipulation pertaining to client specifications.
- Troubleshooting and repair of computer hardware and networks.

Production Assistant – And They're Off... LLC.

April 2010 – May 2010

- In-house technical support for computer systems, network, and cameras.
- Organized daily transportation needs.
- Assisted in day to day filming operations.

Content Consultant/Editor – Campus Explorer, Inc., Santa Monica, CA

June 2009 – April 2010

- Perform routine updates of *campusexplorer.com* backend database.
- Research entries in *campusexplorer.com* database for validity.
- Upload media to *campusexplorer.com* database.

Online (Multimedia) Editor -- *Daily Nexus*, Santa Barbara, CA

November 2006 - December 2008

- Developed and managed “InterNexus,” the paper’s online multimedia section and the *Daily Nexus* blog, increasing online readership by 10 percent.
- With the DailyNexus.com design team, won first place for General Excellence in a Web site in 2007 from the California College Media Association.
- Debugged issues and helped train employees to use the systems and applications.
- Produced, filmed, and edited short segments for *DailyNexus.com*, then compressed for upload to the Web site.
- Transferred daily press to *DailyNexus.com*
- Maintained and upgraded computers in the network.

Photographer -- *Daily Nexus*, Santa Barbara, CA

September 2006 - December 2008

- Shot photos for News, Sports, Lifestyle sections, while collaborating with editors to adhere to content requirements and deadlines.
- Daily usage of Adobe Photoshop for adjustment of digital imagery for print.