

Mason S. Convey

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OBJECTIVES

- To apply my electrical engineering skills in a forward thinking engineering firm and positively impact its operation.
- To continue to advance my knowledge and skills in the areas of electrical engineering, business processes and project management.

WORK EXPERIENCE

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| May 2004 – Present | Honeywell Aerospace |
| Electrical Engineer, Electronic Test Services | Phoenix, Arizona |
| <ul style="list-style-type: none">▪ Develop complete hardware/software test solutions for use in automated testing of avionics.▪ Integrate software with hardware and ensure functionality in production environment.▪ Troubleshoot equipment, product test failures and documentation deficiencies and errors.▪ Generate test specifications, requirements and general project documentation | |
| June 1997 – April 2004 | Electric Transportation Engineering Corporation |
| Electrical Engineer | Phoenix, Arizona |
| <ul style="list-style-type: none">▪ Develop performance reports from electric vehicle and battery performance tests.▪ Create unique charging algorithms in C programming and apply them to battery testing and reconditioning cycles performed in an automated environment.▪ Assist in the production of electric vehicle systems and battery fast-charging infrastructure, including: high-voltage and low-voltage wiring; mechanical and electrical design; construction; and integrated systems testing.▪ Perform electric vehicle troubleshooting, maintenance, and electrical/mechanical upgrades of both hardware and software applications.▪ Provide oversight assistance of airport-based electric vehicle fleet operations, including on-site maintenance, data analysis, and reporting.▪ Spearhead the development of the company's webpage and oversee maintenance of the office computers and LAN. | |
| August 1997 – December 2001 | Arizona State University |
| Member / Team Leader | Electric Vehicle Research Group |
| <ul style="list-style-type: none">▪ Direct the research and development of an electric-powered formula car, which competes nationally against other universities.▪ Manage projects, coordinate events, interface with media, conduct technical workshops and presentations, and acquire corporate sponsorship. | |

EDUCATION

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|---|--------------------------|
| B.S.E. with major in Electrical Engineering | Arizona State University |
| ▪ Date of Graduation: December, 2002 | Tempe, Arizona |

COMPUTER SKILLS

Software Proficiencies: NI LabWindows/CVI, NI TestStand, NI LabVIEW, MS Office, MS Project. Programming in C and C++ and MS Excel macro development (Visual Basic for Applications). Analog/digital circuit design and analysis utilizing: PSpice, LAsI. Software configuration management utilizing Serena Dimensions (formerly PVCS). Mechanical modeling and design utilizing SolidWorks CAD software. Webpage development and webmastering utilizing: HTML, JavaScript, MS FrontPage, Photoshop.

MEDICAL SKILLS & EXPERIENCE

Certified Emergency Medical Technician (EMT), May 2007 – Present.
Honeywell Emergency Response Team, Responder, February 2006 – Present.