

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

B.S.E. with major in Electrical Engineering (2002) Arizona State University Tempe, Arizona

SKILLS & CERTIFICATIONS

Six Sigma Green Belt Certified – Design for Six Sigma (DFSS)
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 (EMS, Fire, Hazmat), February 2006 – Present.