

Douglas Wilson

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Education

Manufacturing Engineering Technology, Brigham Young University, May 2006
Mathematics, Minor, **Business Management**, Minor, CGPA 3.58/4.00

Experience

UAV Mass Production Project, Senior Design Program - BYU, 2005 – Current

- Team leader in project to design for manufacturing a flying wing UAV capable of 1 hour endurance, 120g payload, life cycle of 40 flights, and mass producible in the range of 10,000 per year.
- Responsible for task organization and time management through Microsoft Project and gant charts.
- Vehicle constraints include: quick and low cost to manufacture, easily mountable components, light but rugged material, man packable, supports GPS, servos, autopilot, and motor, carry video camera, IR camera, and chemical sensor as interchangeable payloads, and link to ground station through wireless analog signal.
- Customers include military, law enforcement, pipe line industry, DEA, and Forest service.

Founder and Owner, www.rainfallmedia.com, 2005 - Current

- Servicing clients needs for web design, print design, and commercial branding.
- Became business entity in August of 2005 and have developed client base of 10 clients.
- Using HTML, DHTML, PHP, Flash, JAVA script, and Photoshop we fulfill client needs in a design and coding phase process established in a custom consulting agreement.
- Anticipated plans to incorporate as an LLC and develop an employment base of web developers and sales representatives.

Project Manager - Web Development, Intermountain Electronics, 2004

- Managed the web design and graphic design development for an industrial manufacturing company.
- Designed and coded 28 web pages, analyzed several manufacturing processes within the company using flow charts, and set up company inter-office email.

Science Reference Assistant, BYU, 2002 – 2005

- Instructed patrons in performing comprehensive research papers covering all science subjects.
- Learned how to effectively search on over a hundred specialized databases including Applied Science and Technology Abstracts (EBSCO), Web of Science (ISI), CSA Technology Research Database, and IEEE Explore.

Sales Representative, Apex Alarm, 2003

- Generated \$55,570.82 of sales revenues in 4 months for the company from door to door sales.

Skills

Manufacturing: Lean manufacturing, Six Sigma, TQM, JIT, Data analysis, Statistics

Computer: Microsoft Project, Exel, Word, Catia(CAD), Java, Java Script, Flash MX, Dreamweaver MX, C, HTML, Illustrator, Indesign, Photoshop.

Electronics: Circuit design and calculation

Business: Management, Accounting, Economics, Public Speaking, Presentations, Marketing

Language: **Italian**, fluent oral and written

Awards/Activities

Currently participating in nation wide Business Plan Competition

Recipient of full tuition academic scholarship, BYU

Lean Manufacturing Seminar, January 2004

Member of SME and SAMPE

Volunteer Representative, Italy, Catania, 2000 – 2002

Pursue activities in outdoors: backpacking, hiking, biking, rock climbing, and fishing