

Josh Grey Wurzel

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Objective

Design, test, and produce technologically innovative products

Experience

Acorn Product Development – Mechanical Engineer – August 2004 – Present

- Responsible for CAD and analysis for high-end servers and consumer electronics
- Brainstorm design concepts and present to clients for evaluation
- Evaluate vendor capability and component properties for use in mechanical designs
- Managing Asia Design Center for CAD and manufacture of a prototype handheld device
- Managed mechanical design of high volume 1U server

Apple Computer — Product Design Intern — May 2003 - August 2003

- Created and modified parts for new and existing portable products using CAD software
- Performed product reliability testing and analyzed results for use in future designs
- Traveled to Taiwan to oversee final assembly process and visually inspect finished units

General Electric Nuclear — Engineering Intern — June 2002 - August 2002

- Performed structural analysis calculations on steel components of a nuclear power plant using CAD and the finite element method
- Examined stresses and displacements induced by static, dynamic, and thermal loading
- Wrote and presented technical documentation of analyses

Ad Industries, Inc. — Assistant Production Planner — June 2001 - August 2001

- Developed and maintained software-based manufacturing configurator
- Enabled computer-based creation and manufacturing of new product lines

Education

University of California, Berkeley — M.S. Structural Engineering — May 2004

- Relevant Courses:
Advanced Mechanics of Materials, Structural Analysis Theory and Application, Structural Dynamics, Civil Engineering Materials, Nonlinear Structural Analysis, Finite Element Methods, Thermodynamics, Mechanical Behavior of Composite Materials

University of California, Berkeley — B.S. Civil Engineering w/ Honors — May 2003

- Relevant Courses:
Fluid Mechanics, Computer Aided Design, Design of Steel Structures, Statics, Project Management, Structure and Properties of Engineering Materials, Dynamics

Skills

Software

- Pro/Engineer (2001 & Wildfire; Sheetmetal, Mechanica), MATLAB, FEMLAB

Engineering

- Manufacturing custom products, utilizing building/manufacturing codes, static analysis, ECAD, Tolerance Analysis, DFM/DFA

Project Management

- Scheduling, budgeting, international communication (Asia), BOM tracking, database management, vendor selection & management

Awards and Activities

General Electric Student Intern Contribution Award — Summer 2002

- Presented annually to one intern in each division for outstanding performance

Honor Roll for College of Engineering — Fall 2000 and Fall 2002