

Alexandra Brown, E.I.T.

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Project Portfolio: portfolium.com/acbrown

Summary of Qualifications

- Engineering work experience in a high-tech manufacturing environment
- Experience with design, installation, and improvement of industrial systems that integrate people, technology, materials, and information
- Extensive hands-on project work involving efficiency, work design and measurement, industrial costs and controls, data management and system design, ergonomics, statistics and operations research
- Demonstrated ability to work effectively in interdisciplinary teams

Education

California Polytechnic State University, San Luis Obispo (Cal Poly)

Master of Science in Industrial Engineering – June 20xx

Master's GPA: **3.5**

Bachelor of Science in Industrial Engineering – June 20xx

Undergraduate GPA: 3.1

EIT Certified #876543

Financing 30% of college expenses – working 10 to 15 hours per week during college

Industrial Engineering Experience

Global External Manufacturing Engineering Intern

June - Sept. 20xx

EMC² – Santa Clara, CA

- Assisted the lead Project Manager to determine the feasibility of reducing 120 current site/product-specific tools within Internal Manufacturing Operations in EMC to less than 10 standardized tools located in the Cloud
- Helped analyze current state of internal manufacturing operations by creating multiple Process Flows, UML Sequence Diagrams, UML Case Diagrams, and a Benefits Analysis Map using Microsoft Visio
- Identified and documented 4 Costs of Quality processes and over 40 EMC-specific sub-drivers
- Utilized SAP to create and implement new Change Requests for the NP/E/Sustaining groups
- Updated and released into SAP Process Documentation for Rack Assembly Guides
- Used Microsoft Access to sort through Excel files with 60,000+ entries and assisted in the completion of a Six Sigma Green Belt project
- Gained marketing experience by creating an elevator pitch presentation and video as a finalist for “Global GPO Challenge”

Graduate/Master's Project: Compliance to FDA's Design Control Regulations

Sept. 20xx - Present

- Designing a knowledge base and researching best practices for medical device manufacturers to meet design control regulations in 21 CFR 820.30

Senior Project – Cal Poly

Jan. - June 20xx

- Developed a Decision Support System Software tool using Microsoft Excel and Access to create a small scale, but highly practical, ERP system; software has an MRP engine which integrates and links with financial analysis of customer orders, supply chain costs, direct labor costs, inventory costs, and overhead costs

Computer Skills

Proficient using: SolidWorks, VBA, Microsoft Office and Project, Minitab & CAD/CAM computer systems

Leadership / Involvement

Vice-President of Community Outreach, Society of Women Engineers – Cal Poly Chapter Sept. 20xx - Present

- Led a team of four in outreach to local elementary and middle schools to educate students about engineering
- Increased member volunteerism by 20% through creative marketing utilizing Facebook and LinkedIn

Member, Institute of Industrial Engineers

Participant, Cal Poly Intramural Soccer and Basketball

Other Work Experience

Math Tutor, Cal Poly Math Department (10-15 hours per week)

Sept. 20xx - June 20xx (excluding summers)