

Engineering/Technical Sample Resume

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EDUCATION

Bachelor of Science in Civil Engineering
Johns Hopkins University, Baltimore, MD
Cumulative GPA: 3.87
Civil Engineering Award

May 2013

RELATED COURSEWORK

Models and Simulations; Circuits; Systems and Controls; Java; Biomedical Instrumentation; Digital Systems, Biomaterials I & II; Mechatronics, Data Structures, Statistical Mechanics and Thermodynamics; Micro/Nanotechnology; Systems Bioengineering; Molecules and Cells; Microfabrication Lab; Modeling.

RELEVANT EXPERIENCES

Project Co-Leader, Johns Hopkins University

September 2010 – May 2013

- Project co-leader for a solar-powered hydraulic system currently being built in Guatemala.
- Designed a reinforced concrete water pump tank for fluid pressure and seismic loading.
- Communicate with professional engineers on a weekly basis to coordinate project details.
- Engineered more resilient, therapeutic, easily fitted and economical AFO than current products on the market
- Performed market research and IRB approved human trials to assess and address limitations of current AFO
- Developed 3-D computer models for stress testing, mechanical/material analysis and manufacturing.
- Created and evaluated working prototypes and current products via IRB approved human trials and strength test.

Summer Undergraduate Researcher, NEES

June 2013 – August 2013

- Received a \$5000 fellowship to perform research at the NEES laboratory at UIUC
- Analyzed the near-collapse performance of a reinforced concrete frame using hybrid simulation
- Participated in the 2013 annual Quake Summit meeting in Reno, Nevada

Assistant Team Captain, Johns Hopkins University

August 2012 – May 2013

- Designed and analyzed a five-foot wood high-rise structure for the Seismic Design Competition
- Compete in the EERI conference in Seattle, June 2013

TECHNICAL SKILLS

- Microsoft: Word, Excel, PowerPoint; METLEB/Simulink; OpenSees; Mastan2; STAAD Pro; AutoCAD; SketchUp; Technical Writing; Modeling, Java
- Able to drive meaning from data
- Experience composing quality technical reports quickly
- Accustomed to bridging design and operation