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EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

- BS candidate for Mechanical Engineering with Product Design; GPA: 4.0 Dec'14
- Relevant Coursework: Differential Equations, Mechanics of Materials, Dynamics and Controls I, Toy Product Design, Design and Manufacturing I&II, Electronics for Mechanical Systems, Cycle Ventures, Product Design & Development, Product Design Process, Product Design, Power Electronics

EXPERIENCE



Jawbone

Sunnyvale, CA

Audio/Acoustics Product Design Intern

June'14-Aug'14

- Investigated molding process to prototype silicone eartips that anchor into the concha
- Explored and prototyped different form factors for an unreleased bluetooth in-ear product
- Strategized and CAD'ed solutions for speaker enclosure architectures while noting DFM, DFA, and appropriate tolerances



MIRA: HUD Navigation Helmet Attachment System Integrator (one of two)

Cambridge, MA

Sep'13-Dec'13

- Led a team of 20 mechanical engineers in designing a Heads Up Display attachment for motorcycle helmets for a senior capstone project
- Conducted user research, created prototypes, drafted Gantt charts, product design contracts, and slide decks
- Designed and prototyped enclosure interior mounting features and exterior shape detail
- Presented to an audience of 1500 at the end of the semester



Apple

Cupertino, CA

iPad Product Design Intern

Jun'13-Aug'13

- Completed tear-down of iPad mini, documenting critical z-stack and brainstormed strategies to make the product thinner
- Created a mathematical model based on free body diagram for unreleased product in order to quantify parameters such as push force, angles, and friction
- Conducted magnetic field FEA for unreleased product and optimized magnet design to fit within leakage specs



MIT Biomimetic Robotics Laboratory: *Humanoid Cheetah* Undergraduate Researcher

Cambridge, MA

Jun'12-Aug'12

- Fixed and reassembled components of a two degree of freedom motor in CAD to further the research of achieving high torque density with minimum actuator impedance
- Drafted detailed SolidWorks drawings of individual components and contracted them to be machined
- Progressed through multiple iterations of shoulder joint module design using FEA analysis and optimization methods

SKILLS

- SolidWorks/ProE/NX • Eagle • Molding/Casting • General Machine Shop • Branding/Marketing • Rapid Prototyping •
• Product Design Management • Electronics Prototyping •

HOBBIES

- Basketball • Violin • Scuba • Guitar • DIY/hacking • Electric Vehicles •