Jackie Loven

http://jackieloven.com
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EDUCATION

CORNELL UNIVERSITY
BS, Materials Science & Eng.
Expected Dec. 2017

WORCESTER POLYTECHNIC INSTITUTE
Last year of high school
2013 – 2014

MASS ACADEMY OF MATH & SCIENCE
Advanced secondary school
2012 – 2013

COURSEWORK

CORNELL
Java
Python
Aerosols and Colloids
Electronic Properties of Mat'ls
Mechanical Properties of Mat'ls
Kinetics and Diffusion

WPI
Physics
Calculus

SKILLS

PROGRAMMING
Proficient:
Java • MATLAB
Worked with:
Python • JavaScript (Ext JS)
SQL • Android • HTML / CSS

3D-PRINTING & DESIGN
SketchUp • iMovie • GIMP
Adobe Premiere

TOOLS
Eclipse / IBM RSA • Interana
Arduino • Android Studio

PROFESSIONAL EXPERIENCE

SONOS | Data Analytics Intern
June 2016 – Aug 2016
- Wrote multithreaded code to analyze previously unused temperature and volume data from millions of speakers (Java)
- Analyzed previously unused shipping humidity, acceleration, and temperature data and made significant conclusions
- Delivered data to other teams (Interana)

TRAVELERS INSURANCE | Software Engineering Intern
June 2015 – Aug 2015
- Added backend functionality for accessing documents in database (Java, SQL)
- Added custom UI functionality for viewing extensive data with version tracking (JavaScript)
- Created and ran unit tests for existing code, found and fixed bug in existing code (Java)

RESEARCH EXPERIENCE

CORNELL HANRATH ENERGY LAB | Undergraduate Researcher
January 2016 – May 2016
Implemented genetic algorithms in MATLAB to discover and evaluate novel, more efficient solar cell designs. Publication in progress.

ENGINEERING EXPERIENCE

KLASP | Jewelry Clasp for Loss of Hand Dexterity
Designed and 3D-printed a novel magnet-based jewelry clasp for arthritic users. Presented at the 2013 Easter Seals Assistive Technology Expo.

ZU | Device for Easy Earphone Storage
Designed, 3D-printed, promoted, and sold a novel and cheap device for tangle-free earphone storage. https://youtu.be/2cVlB-0IW54

OTHER PROJECTS

See github.com/jLoven, jackieloven.com
Wrote Android app for patients to contact nurses nonverbally (see site)
Created desktop app to create Java enum given spreadsheet (see site)
Designed earphone attachment to better fit human ear
Repurposed a 3D-printer to draw realistic calligraphy (see site)
Volunteered for over 500 hours at a nursing home