Jackie Loven

http://jackieloven.com

jackieloven@gmail.com

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
Electrical Properties of Mat'ls
Mechanical Properties of Mat'ls
Kinetics and Diffusion

WPI
Physics
Calculus

SKILLS

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

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 and optimized code to analyze previously unused temperature and volume data from millions of speakers (Java)
- Analyzed previously unused humidity, acceleration, and temperature data from product transportation routes
- Presented data visually 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 a table of insurance info and seeing previous versions of documents (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, 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
Android app for patients to contact nurses nonverbally (see site)
Desktop app to create Java enum given spreadsheet (see site)
Soft earphone attachment to better fit human ear
3D-typeface for 3D-printer to make realistic calligraphy (see site)
Over 500 hours of community service at a nursing home