

Jackie Loven

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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

GITHUB

github.com/jLoven

COURSEWORK

CORNELL

Java
Python
Aerosols and Colloids
Electrical Properties of Materials
Mechanical Properties of Materials
Kinetics and Diffusion

WPI

Physics
Calculus

SKILLS

PROGRAMMING

Proficient:

Java • Matlab • HTML / CSS

Used before:

Python • JavaScript (Ext JS) • SQL
• Android

3D PRINTING & DESIGN

SketchUp • iMovie • GIMP •
Adobe Premiere

TOOLS

Eclipse / IBM Rational Software
Architect • Arduino • Android
Studio

PROFESSIONAL EXPERIENCE

SONOS | DATA ANALYTICS INTERN

June 2016 – Aug 2016

- Analyzed

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)

ENGINEERING EXPERIENCE

KLASP | JEWELRY CLASP FOR HAND DEXTERITY LOSS

3D-printing with embedded magnets

Designed and 3D-printed a novel magnet-based jewelry clasp for arthritic users. Presented at the 2013 Easter Seals Assistive Technology Expo. Currently in use by elderly nursing home residents.

ZU | DEVICE FOR STORING EARPHONES

3D-printing

Designed, 3D-printed, and sold a novel device for storing earphones without tangling them. <https://youtu.be/2cVIB-0IW54>

RESEARCH EXPERIENCE

CORNELL HANRATH ENERGY LAB | UNDERGRADUATE RESEARCHER

January 2016 – May 2016

- Implemented genetic algorithms in MATLAB to discover novel, more efficient solar cell designs. Publication in progress.

AWARDS

2014 top 52/2500

2014 2nd most points

2014 1st/50

2013 National

2013 7th/120

2012 2nd/150

2011 National

2010 National

KPCB Engineering Fellow

Google Code Jam, Qualification Round

Microsoft Coding Competition, Cornell

Jump Trading Challenge Finalist

CS 3410 Cache Race Bot Tournament

CS 3110 Biannual Intra-Class Bot Tournament

Indian National Mathematics Olympiad (INMO) Finalist

Comp. Soc. of India's National Programming Contest

SOCIETIES

2014 top 12%ile

2014 National

2012 National

2012 National

Tau Beta Pi Engineering Honor Society

The Global Leadership and Education Forum (tGELF)

Golden Key International Honor Society

National Society of Collegiate Scholars