Matthew Chuang

29 Goose Pond Road, Lincoln, MA 01773   (978)-201-2480   chuanm@rpi.edu

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Education	*Rensselaer Polytechnic Institute* Troy, NY	December 2018

- Bachelor's of Science in Computer Science
- GPA 3.34/4.0

Coursework   Software Design and Documentation (ongoing), Network Programming, Database Systems, Large-Scale Programming and Testing, Programming Languages (Prolog/Erlang),Intro to Algorithms, Principles of Software (Java), Intro to Open Source, Computer Organization, Foundations of Computer Science, Data Structures (C++), Introduction to Programming (Python)

Skills   *Languages*: C/C++, Python, Java, HTML5/CSS3, JavaScript, SQL
Technologies: Android SDK, Alexa Skills Kit, Github, Windows Batch, Linux Bash, Bootstrap

Experience	*Bentley Systems - Software Engineering Intern* Exton, PA	Summer 2018

- Worked under the rebar team for the ProStructures CONNECT Edition platform using the Agile software development methodology
- Refactored aspects of the rebar codebase for better readability, organization, and ease for debugging
- Handled various defects and debugging tasks for 2D rebar drawings and labels, resolving fatal software crashes
- Assisted in the formation of a new SDK for ProStructures Rebar through aggregating and compatibilizing source code

	Amazon Robotics - Hardware Engineering Intern North Reading, MA	January 2016

- Coded Amazon Echo internal demonstration software using Python, Bash script, AWS S3 Bucket and the Alexa Skills Kit to fulfill order requests from the warehouse floor to be delivered to an audience via robotic arm
- Created Amazon Echo demonstration for the March 2016 MARS conference delivering VIP guests their welcome packages via *Amazon Robotics* drive unit using Python, Bash script, AWS S3 Bucket, and Alexa Skills Kit

Projects	*Rensselaer Center for Open Source - Web Technologies Group*	Spring 2018

- Implemented an email alert reminder system for Rensselaer Shuttle Tracker web site using Nodemailer, MongoDB, Express.js, AngularJS, and Node.js
- Worked with a multiple person development team using Github, and C9.io

	Amazon Alexa Skills Challenge: Kids - Country Flag Quiz	January 2018

- Entrant in the DevPost Alexa Skills Challenge: Kids online hackathon sponsored by Amazon
- Built a world flags quiz skill utilizing Amazon Alexa and the accompanying Alexa smartphone app using Python and the flask-ask API

	Intro to Open Source - DidIt Android Mobile Application	Spring 2017

- Intro to Open Source final project
- Utilized Android Studio and the Android SDK to develop a simple todo app for android
- Participated in a team of three, using Github source control, and collaborating in person
- Created graph visualization of input data using Open Source GraphView library