Matthew Chuang

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Objective   A dedicated rising junior studying computer science looking to gain more practical experience in the industry through a summer internship.

Education   *Rensselaer Polytechnic Institute*,Troy, NY, class of 2019
- Bachelor's of Science in Computer Science
- Pursuing Chinese Minor
- GPA 3.23/4.0

Coursework   *Intro to Algorithms CSCI 2300* (Spring 2017)
- Enriching knowledge on the mathematics behind various data structure and algorithms

Principles of Software CSCI 2600 (Spring 2017)
- Undertaking the study of design, implementation, and documentation of complex software using Java

Intro to Open Source CSCI 2963 (Spring 2017)
- Exploring the potential of Open Source software and licensing using git version control platform

Computer Organization CSCI 2500
- Acquired a basic understanding of operating systems, digital logic, assembly language, advanced architectures, and the machine level

Foundations of Computer Science CSCI 2200
- Gained knowledge of set theory, combinatorics, probability, automata, and Turing Machine model

Data Structures CSCI 1200
- Utilized the C++ language to explore data structures and object-oriented programming

Introduction to Programming CSCI 1100
- Solidified knowledge of the fundamental basics of programming using Python

Experience   *Amazon Robotics - Hardware Engineering Intern*, North Reading MA, January 2016
- Coded Amazon Echo internal demonstration software using Python 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 using Python for March 2016 MARS conference which delivered VIP guests their welcome packages via *Amazon Robotics* drive unit using Python and Alexa Skills Kit

DidIt Android Mobile Application - Information Visualization, Spring 2017
- Contributed to DidIt on github, a life-tracking app
- Created graph visualization of input data using Open Source GraphView library

Microsoft On-Campus Coding Competition, August 2016
- Coded for four hours to solve multiple programming challenges using C++

Skills   *Programming Languages*: C++, Python, Java, and Objective C proficiency
API Libraries: Alexa Skills Kit, Android SDK
Web Development: HTML, Javascript, CSS, Bootstrap, and HTML5 Canvas

Employment   *The Food Project - Agricultural Intern,* Lincoln and Boston MA, Summer 2012 - Summer 2014
- Learned about food and social justice issues pertaining to gender, racial, and economic inequality
- Facilitated workshops on food sustainability and gender, racial, and economic equality to both youth and adults in order to educate the greater Boston community
- Directed volunteer groups (youth and adults) sometimes up to 50 in number in work in both urban and suburban farmlands to complete harvests and other necessary farm work
- Conducted volunteer work for hunger relief organizations such as *Community Servings* and *Pine Street Inn*, preparing meals for homeless people and the homebound and people with acute life-threatening diseases