

Daniel Chen

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Available: May 2019 – December 2019

Education

Northeastern University, Boston, MA Sep. 2016 - Present

College of Computer and Information Science

Candidate for a Bachelor of Science in Computer Science with a Minor in Entrepreneurship Exp. May 2020

Related Courses: Software Development, Web Development, Database Design, Computer Systems, Object-Oriented Design, Algorithms & Data Structures, Embedded Design Enabling Robotics

Activities/Honors: NU ACM, NU Hacks, Intramural Soccer, International Scholar Scholarship

Carleton University, Ottawa, ON, Canada Sep. 2015 - Apr. 2016

School of Computer Science

Related Courses: Linear Algebra I & II, Introduction to Computer Science, Introduction to Statistical Analysis

Honors: Dean's List, International Scholar Scholarship

International Christian School, Hong Kong Aug. 2003 - June 2015

Activities: President of Tech Team, Media Club, News Team, and Athletics Committee, Varsity Basketball

Computer Knowledge

Languages: JavaScript, Java, C++, Python, Elixir, Racket, C, HTML, CSS, MIPS, x86 Assembly

Frameworks: Express.js, Flask, AngularJS, Bottle, Phoenix, Bootstrap, Spring Boot

Databases: PostgreSQL, MySQL, SQLite, MongoDB

Software: VS Code, Vim, IntelliJ, GitHub, Unity, Arduino, Adobe Creative Suite (PP, AE, PS, LR)

Work Experience

Circle, Boston

Full-Stack Software Developer Coop May 2018 – Present

- Parallelized our entire API test suite, reducing build times from over an hour to around 30 minutes
- Optimized code to improve the performance of servers by 66% during monthly cron tasks which operated across our entire userbase leading to less impact on servers during this period for a shorter duration
- Contributed to the platform and web app for the grooming and launch of USDC, a fiat-backed stablecoin
- Worked with the consumer team and user feedback to build and deploy new features, find and fix bugs, patch security concerns, and update/optimize legacy code in React.js, AngularJS, Node.js, and Java
- Went on-call to respond to and fix emergency concerns in our consumer product stack

First Code Academy, Hong Kong

STEM Course Facilitator May 2016 - Aug. 2016

- Taught and designed curriculum in Java, Python, Unity, and other more accessible tools for classes of up to 8 children ranging from age 7 to 18 (MIT AppInventor 2, MCreator, and Scratch)
- Implemented a cloud storage system with Google Apps Script to manage student ID photos

Projects

Cap.py, Hack Beanpot - *Winner* Feb. 2018

- Engineered a web app with Flask that generated social media caption suggestions given a photo
- Delegated tasks across the team, maximizing productivity and ensuring the whole team could contribute

ARgot, WHACK - *Winner* Nov. 2017

- Architected a user friendly augmented reality app for iOS devices to aid in learning foreign languages
- Deployed a web API with AWS and Flask as an interface between the app and several dictionary databases

Icebox.me, HackUMass Oct. 2016

- Developed a web app using Bottle which recommends recipes based on given ingredients
- Scripted a Python program to scrape an entire recipe site into a local SQLite database

Interests

Photography, videography, education, marketing, basketball, cryptocurrencies, AI, and dance

References available upon request