

# Daniel Chen

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3 Douglas Park Apt. 419, Boston, MA 02118  
Available: May 2019 – December 2019

## Education

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**NORTHEASTERN UNIVERSITY**, Boston, MA Sep. 2016 - Present

**Khoury College of Computer Sciences**

*Candidate for a Bachelor of Science in Computer Science with a Minor in Entrepreneurship* Expected 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

## Technologies

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

*Other Tools:* Express, Flask, React, Angular, Bottle, Phoenix, PostgreSQL, MySQL, SQLite, MongoDB

## Work Experience

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**CIRCLE**, Boston

*A global crypto finance company that serves over 8 million customers across 195 countries and has facilitated over \$75 billion in blockchain trading and settlements*

**Full-Stack Software Developer Co-op**

May 2018 - Dec. 2018

- Worked closely with the consumer web and API teams to build and deploy new features, improve third party service integration, find and fix bugs, patch security concerns, and update/optimize legacy code in React.js, AngularJS, Node.js, and Java for all our current consumer products (Circle Pay, Circle Invest, USDC)
- Parallelized our entire API test suite, reducing build times from over an hour to around 30 minutes
- Optimized code by combining excessive requests to improve the performance of servers by 66% during monthly cron tasks that intelligently sent emails to our users with all of their recent transaction information
- Contributed to the platform and web app for the grooming and launch of USDC, a fiat-backed stablecoin
- Went on-call to respond to and fix emergency concerns in our consumer product stack

**FIRST CODE ACADEMY**, Hong Kong

*Education startup that has offered computer science courses to over 10,000 primary and secondary school students*

**STEM Course Instructor Intern**

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)

## Projects

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**Divvi**, BostonHacks

Nov. 2018

- Developed an app that allows users to add balances and create groups, then easily split a bill amongst members of a group with a photo of the receipt
- Architected our entire user authentication and session management system in Express.js and React
- Helped build out an optimized Optical Character Recognition engine to pull relevant information from a bill

**Cap.py**, HackBeanpot - *Winner*

Feb. 2018

- Engineered a web app with Flask that generates social media caption suggestions given a photo
- Designed and built the flow of our app and implemented live scraping of sites for caption suggestions

**ARgot**, WellesleyHacks - *Winner*

Nov. 2017

- Built an iOS augmented reality app which recognized selected objects in the environment, then provided translations, sample phrases/sentences, and generated audio recordings in the second language

## Interests

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