Brian Chuk

Software Engineer

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meet   New York City

Education

New York University

B.S. Computer Science
Sept 2014 – Dec 2018
Coursework:
Distributed & Parallel Systems,
Computer Security, Software Engineering,
Game Programming, Operating Systems,
Design & Analysis of Algorithms,
Java & Web Design,
Computer Architecture & Organization,
Objected Oriented Programming,
Data Structures & Algorithms, Databases

Stuyvesant High School

High School Diploma
Sept 2010 – June 2014
Coursework:
Software Development, Systems Level
Programming, Computer Graphics,
AP Computer Science

Projects

SecureBrowse
Feb 2018

Software Contract Project
Conceptualized and developed an all-browser-supported extension. It verifies web pages via matching DNSSEC TXT records and Subresource Integrity hashes.

Firefly
Oct 2016

Hackathon Project
A light painting device where a 2m stick of LEDs is used to "print" light images in 3D space by moving it horizontally.

Owl
Aug 2015

Hackathon Project
An Android app that analyzes a user's gait for signs of intoxication. If there are signs, then a designated friend is notified and streamed the user's location

(see a full list at www.brianch.uk/projects)

Awards

- hackNY 2015 Fellow
- HackRU Fall 2015 Best HardwareHack
- McHacks 2015 3rd Place
- AngelHack Brooklyn 2015 Innovation Winner
- YHack 2014 Google API Winner

Experience

Flatiron Health
Jun – Aug 2018

Software Engineering Intern
– Defined database for metadata and schema information responsible for several million records.
– Developed a **Flask** & **AngularJS** CRUD web app to view schemas and metadata

B12
Jun – Oct 2017

Software Engineering Intern
– Designed & developed a version history control system for a website editor in **Django**, **Python**, & **AngularJS**.
– Programmed workflow for freelancers to complete website development requests.

Shaper
Jun – Aug 2016

Sofware Engineering Intern
– Implemented and shipped several major new cutting modes for Shaper Origin product, using **computational geometry**, **C++**, and **OpenCV**
– Conceptualized user experiences in touchscreen.

Syncano
Mar – Nov 2015

Developer Evangelist
– Demoed BaaS platform in hackathons and developer meetups
– Authored documentation and sample applications in **HTML**, **CSS**, and **Javascript**.

Betterpath
May – Aug 2015

Software Engineering Intern
– Created an integration tester in **Selenium** and **Ruby**.
– Built web pages in **React.js** and migrated from old web pages in **Jade**.
– Resolved server-side issues in **Scala**.

Skills

Languages:
Experienced (3+ years) in C++, Java, HTML, CSS, Javascript (ES6), SQL, and Python
Familiar in PHP, Ruby, C, C#, and Scala

Technologies:
Experienced in Android, Arduino, Flask, Intel Edison, JQuery, MongoDB, Django, OpenCV, and React
Familiar in AngularJS, Bootstrap, Qt, and Sass

Miscellaneous:
Experienced in Adobe Suite, Figma, Git, Solidworks, 3D Printing
Familiar in AWS, Heroku, and Circuit Design