

Brandon Weng

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Education

University of Waterloo

Bachelor of Computer Science & Business

Sept 2015 - Present
(Expected Spring 2020)

Skills

Languages: Python, Java, Scala, C++, JavaScript, SQL, Scheme/Dr.Racket

Technologies & Tools: Node.js, Hadoop, Spark, NumPy, Spinnaker, Kubernetes, Kafka, Git

Experience

HubSpot

Jun 2019 – Aug 2019

Backend Engineering Intern

Boston, MA

- Redesigned and refactored file import service and reduced weekly errors by 89%
- Built a Kafka topic filtering system to remove expired notifications to improve outage responses
- Implemented customer API in Java for users to create objects beyond performance limitations
- Developed a probability model with Java and Hadoop to determine if two events are dependent and error recovery rate to benchmark 96 million monthly events by querying HBase

PlanGrid

Jan 2019 – Apr 2019

Backend Engineering Intern

San Francisco, CA

- Built an external permissions REST API service using Python to allow non-paying users limited access to reduce friction between collaborators that was adopted to the wider team
- Implemented a machine learning pipeline and trained a ResNet model with 87% accuracy
- Developed a system to allow 60+ closed-beta customers to migrate between versions of a new feature that was required for general availability

Hubdoc

May 2018 – Sept 2018

Software Engineering Intern

Toronto, ON

- Developed a new technique to avoid bot detection and brought in accounts with 500MM assets
- Built and updated 50+ web scraping apps in Node.js and improved reliability from 67% to 83%

National Bank Financial

May 2017 – Dec 2017

Financial Engineering Intern

Toronto, ON

- Implemented internal position netting tools in Python and increased internal trading efficiency
- Worked directly with managing director to onboard 28 traders onto 2 new applications

Projects

Little Eats Delivery

- Co-founder of delivery service to take advantage of market arbitrage with a 53% profit margin

Padevo.info

- Built full-stack web app with Node.js and Angular for a game that had 1021 users first week