

Saratoga, CA | Seattle, WA
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Brandon Ko

Education

University of Washington, Seattle
MS in Computer Science (June 2021)
BS in Computer Science (June 2020)
Minor in Dance
Cum. GPA: 3.7 (Dean's List)

Links

linkedin.com/in/kobrandon98
medium.com/@brandon.ko
github.com/brandonko

Programming Skills

Proficient: Java, JavaScript, Python

Familiar: C/C++, HTML & CSS

Tools: AWS & Azure, Bash, Linux,
NodeJS, React, MongoDB, Git, SQL,
SciKitLearn, PyTorch

Related Courses

- Data Structures & Parallelism
- Software Design and Implementation
- Machine Learning
- Computer Security
- Hardware/Software Interface
- Systems Programming
- Database System Internals
- Artificial Intelligence
- Natural Language Processing
- Design and Analysis of Algorithms

— WORK —

Giving Tech Labs (NLP Research Intern)

June 2020 – Sept 2020

- Build a classification model and data pipeline for labeling funding articles in Python using various SciKitLearn modules
- Discuss and explore different language processing techniques and machine learning methodologies to enhance models

Airbnb (Software Engineer Intern)

Deferred due to COVID-19

Qualtrics (Software Engineer Intern)

July 2019 – September 2019

- Design and implement a Microsoft Teams notification system that analyzes calendar events to alert users at optimal times
- Work with neural networks in PyTorch to classify user written text
- Formulate statistical models to cluster raw data and derive relationships that drive employee satisfaction in the workplace

Giving Tech Labs (Full Stack Intern)

October 2018 – April 2019

- Build an interactive console that serves as a control center for multiple AWS services, from load balancers to web applications
- Create end to end user documentation on the back-end control flow of custom-coded plugins in a WordPress application

— PROJECTS —

Recruitment Manager Project

June 2019

- Provide an unbiased experience for recruiters of all organizations
- Cluster candidates and interviewers using Python SciKitLearn

DubHacks Project

October 2018

- A web application that provides students in the same course with the opportunity to connect, network, and learn from each other
- Build and design a seamless UI that allows users to send direct messages on a NodeJS app with MongoDB

IoT AWS Project

June 2017

- Learn and apply cloud computing techniques on Amazon servers
- Develop innovative functions for the Amazon Dash Button in Java

— LEADERSHIP —

Teaching Experience

- UW CSE Database Systems (Teaching Assistant) *Sept 2020*
- Stanford Code-In-Place Python Intro (Section Leader) *April 2020*

Rho Innovate (Team Lead)

April 2019 – April 2020

- Direct a group of seven students to build a successful startup by sustaining a productive and supportive environment

Rho Tech (Founding Member)

June 2018 – April 2019

- Design a website for members using NodeJS on AWS to analyze user data and provide networking recommendations