Brandon Ko

Software Engineer

BS and MS computer science graduate with a background in natural language processing. Interested in software engineering work surrounding machine learning technologies.

Experience

June 2021 – Sept 2021

Software Engineer Intern
Airbnb
- Research, implement and train a message thread classifier that mitigates property damage on the rental platform
- Deploy model into production environment and monitor different performance metrics

April 2021 – June 2021

NLP Research Assistant
Allen Institute for Artificial Intelligence
- Design machine learning based solutions for textual classification problems supported by metrics from data analysis
- Implement a custom NLP classifier using the transformer architecture for sequence tagging

Sept 2020 – June 2021

Database Systems Teaching Assistant
University of Washington
- Teach individuals the technical and conceptual foundations to database systems
- Facilitate the growth of students through learning activities and one-on-one conversations

June 2020 – Sept 2020

NLP Research Intern
Giving Tech Labs
- Build a classification model and data pipeline for labeling articles in Python using various SciKitLearn modules
- Discuss and explore different language processing techniques and machine learning methodologies to enhance model performance

July 2019 – Sept 2019

Software Engineer Intern
Qualtrics
- Design and implement a Microsoft teams notification system that analyzes calendar event to alert users at optimal times
- Work with neural networks in PyTorch to classify user messages
- Formulate statistical models to cluster raw data and derive relationships that drive employee satisfaction in the workplace

Oct 2018 – April 2019

Full Stack Intern
Giving Tech Labs
- 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

Personal Info

Saratoga, CA | Seattle, WA
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Education

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

Links

Website: brandonko.github.io
linkedin.com/in/kobrandon98
medium.com/@brandonko
github.com/brandonko

Programming Skills

Proficient: Python, Java
Familiar: C/C++, Javascript
Tools: AWS, Azure, Bash, Linux, NodeJS, MongoDB, Git, SQL

Related Courses

- Artificial Intelligence
- Computer Graphics
- Computer Security
- Computer Vision
- Data Structures & Parallelism
- Data Visualization
- Database Systems Internals
- Design and Analysis of Algos.
- Distributed Systems
- Hardware/Software Interface
- Machine Learning
- Natural Language Processing
- NLP Capstone
- Software Design and Implementation
- Systems Programming