Sing Wong

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EXPERIENCE

Software Engineer, Eightfold AI **Apr2022-Feb2023**

- Worked on backend infrastructure that enables internal services that uses AWS lambda to overcome runtime limit. Coded, deployed, supported, and maintained the feature as a team.
- Designed and implement DB schema and data storage model, REST APIs for a future product.
- Assisted with escalations, on-call, and build duty. Having a great understanding of the code development and deployment cycles

Software Engineer, Translucence Biosystems **Feb-Sep 2020**

- Created a distributed pipeline for better use of processing power from multiple machines, up hardware utilization from <20% to over 90% for a machine learning pipeline, which later became a product (https://www.translucencebio.com/products/stitchy).

Junior Specialist (ML research), UCI CAIDM **Mar2019-Feb2020**

- Developed U-net classifiers for segmenting cancer cells within a series of MRI scans
- Participated in 2019 Kidney and Kidney Tumor Segmentation Challenge

Instructor, iD Tech **Jun-Aug 2019**

- Taught students about python, convolutional neural networks, and reinforcement learning
- Created additional teaching materials to provide an up-to-date learning experience

PROJECTS

Identifiability Analysis on Plasma Weight Loss Dataset (Python, Pytorch)

(https://github.com/SasyaReddi/cse291c-plasma-weightloss)

- Shown Identifiability of different paptidoform in a dataset and analyzed the importance of parameters using various models, which enables better feature selection.

Peer-to-Peer Collaborative Documents Editor (Go)

(https://github.com/akondare/223Proj-CRDT)

- Supports 10 people simultaneously editing with 100ms update time, with offline editing
- Rigorously tested and demonstrated function met specification.

Med AIJam 2019 (Java, Python, sklearn)

(https://github.com/eiffelwong1/MedAIAppJam2019)

- Developed an Android app with machine learning (decision tree model) that tracks users' health data and determines patients' risk of Cerebral Herniation.
- Awarded The Most Creative Use of AI Award

EDUCATION

University of California, San Diego **June 2022**

Master of Science in Computer Science and Engineering GPA 3.75

University of California, Irvine **Dec 2019**

Bachelor of Science in Computer Science GPA 3.7

SKILLS

Proficient with Python, JavaScript, C++, Java, TensorFlow, SQL

Intermediate with Go, Pytorch, AWS, Selenium, Three.js, CSS, HTML