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Chris Weaver

Education

Sep 19 – Jun 20 **UC San Diego**, *Master of Science, Computer Science*, Focus: Artifical Intelligence

Sep 15 – Jun 19 **UC San Diego**, *Bachelor of Science, Computer Science*, Summa Cum Laude, GPA – 3.951

Work Experience

June 2019 – September 2019 **Software Engineering Intern**, *Amazon*, Seattle, WA

- Designed and built a service to perform OCR and rule based key/value pair extraction on invoices to support automated tax workflows.
- Used machine learning (logistic regression and SVM) to assign weights to rules in order to improve the system's accuracy.
- Languages and Frameworks used: Python, OpenCV, scikit-learn, AWS Lambda, API Gateway, Textract, S3, DynamoDB APIs

June 2018 – September 2018 **Software Engineering Intern**, *Amazon*, Seattle, WA

- Created ten invocable JavaScript actions that allow other internal applications to easily perform one line integrations with Amazons internal image hosting service.
- Integrated actions with existing merchandiser applications to combine separate tools and automate workflow.
- Developed an internal application that allows for navigation and manipulation of the directory structure housing all general images available to be displayed on Amazon.com.
- Languages and Frameworks used: JavaScript, Node.js, React, Jest, Mocha, Enzyme

March 2018 – Present **CSE Tutor/Teaching Assistant**, *UC San Diego*, La Jolla, CA

- Tutor for Operating Systems, Data Structures, and Software Engineering classes. TA for Operating Systems.
- Assist students at office hours, discussion, and lab hours to help students understand concepts and complete assignments.

March 2018 – June 2018 **Software Engineering Intern**, *Embrace HealthWear*, La Jolla, CA

- Built an Android/IOS mobile application to display health data produced by wearable monitoring devices.
- Languages and Frameworks used: JavaScript, Node.js, React Native

Projects

March 2019 – Present **Hard Negative Mining for Correspondence**

- Adding locality sensitive hashing based hard negative mining into state of the art correspondence networks (SuperPoint and Universal Correspondence Network)
- Languages and Frameworks used: Python, PyTorch, C++, Boost.Python

March 2019 – June 2019 **Review Sentiment Classification**

- Built a semi-supervised, word-embedding based document classifier for a kaggle competition.
- Final accuracy was in the top 5% of all submissions.
- Languages and Frameworks used: Python, scikit-learn, FastText, numpy

March 2017 – June 2017 **Tables**

- Led a team of students through an agile development process for an application that matched UCSD students up for a meal, pairing them based on interests, classes, and personalities.
- Languages and Frameworks used: Android Studio, Java, Firebase

Skills

Languages Python, JavaScript, Java, C++, C, HTML, CSS

Frameworks PyTorch, Linux, React, Node.js, SQL

Awards and Honors

Academic

- Golden State Teaching Scholarship (MS)
- Summa Cum Laude - top 1% of graduating class (BS)
- Provost's Honors (BS)