

Andrew Liu

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EDUCATION

University of California, Berkeley

Bachelor of Science, Electrical Engineering and Computer Science **GPA: 3.854**

May 2018

Coursework: Machine Learning, Operating Systems, Probability Theory and Random Processes, Data Structures, Linear Algebra, Introduction to Machine Structures

TECHNICAL SKILLS

Programming Languages: Python, C++, R, Java, MatLab, C, SQL

Workflow Tools: Git, Tensorflow, REST, Microsoft Office Suite

WORK EXPERIENCE

Google

Mountain View, California

Software Engineering Intern

Summer 2016

Built machine learning pipelines for evaluating the performance of different models on advertisement revenues.

- Developed software for optimizing expensive statistical computations over a map-reduce framework
- Pipeline designed to handle billions of events per day

Hewlett Packard

Boise, Idaho

Web Database Intern

Summer 2015

Deployed interfaces and frameworks for automatic migration and transformation of customer bug data between independent internal databases.

- Developed an interface to allow technician employees to tag additional customer metadata
- Created a testing interpreter to validate correct SQL query cases

Hewlett Packard

Boise, Idaho

Research and Development Intern

Summer 2014

Developed computer vision debugging software for printer formatters. The final product was a computer vision application capable of diagnosing a printer's flashing error sequence and linking it to a specific error message.

- Designed and implemented light recognition image processing algorithms with strong accuracy
- Presented a proof-of-concept demonstration to leading developers at HP

PROJECTS

Reddit Link Parsing Bot

October 2014-Jan 2015

Python, CSS

Using PRAW API, developed a Python script that scans Reddit's content and identifies Reddit links posted by users. The script parses the link for textual data and posts a reply utilizing a custom-made CSS style sheet. Tested on live server with generally positive responses.

Player-Rank Projects

October 2015

Python

Developed a modified player-rank algorithm based on the weekly performance of League of Legends solo queue to identify the top players. Started as a class project

AWARDS

California Alumni Association Leadership Scholar (2014) - A merit-based scholarship given to students who demonstrate innovative, initiative-driven leadership impacting their academic, work, or community environment.

Eta Kappa Nu (2015) - Electrical Engineering Computer Science honor society. Provides various services to undergraduate students.