Andrew Chan

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Experience

2018   *Software Engineer Intern, Rubrik*
DATA GOVERNANCE
Replaced Cassandra + SQLite metadata store with CockroachDB, a distributed RDBMS.
Built filesystem data-mining platform. Performed and validated clustering techniques on filesystem activity data, built a recommender system for filesystem permissions.

2017-2018   *Project Manager, CodeBase at Berkeley*
SUTRO
Lead developer of team that created the app for Sutro, a water monitoring device manufacturer.
PM of mentored project, teaching members software engineering skills by creating an internal app.

2017   *Software Engineer Intern, Webroot*
THREAT INTELLIGENCE
Infrastructure automation. Improved threat intelligence API response times by an order of magnitude at >10k concurrencies.

2016   *Software Engineer Intern, HERE*
SELF-DRIVING RESEARCH
Created Google StreetView clone in JavaScript to label panoramic imagery for street-sign classifier.
Constructed data visualization pipeline for algorithms to detect map changes on a global scale.

Education

2015-2019   *BA in Computer Science, University of California, Berkeley*
GPA: 3.6 Overall, 3.7 Major
SELECT COURSEWORK: † *Indicates current or former course staff*
Machine Learning (A) • Algorithms II† (A) • Discrete Math & Probability† (A)

Projects

2017   *Farmr*
HACKDAVIS 2017
A React Native app where farmers can take a picture of their crops to diagnose crop conditions.
Photos are run through an image classifier trained on an open dataset of 50k plant images.

2015   *Tweet Runner*
3RD PLACE WINNER, BERKELEY CSUA HACKATHON
A web game where enemy spawns are affected by Twitter in realtime.

Skills

Languages   Java • JavaScript • Python • C • C++ • Scala • SQL • LaTeX

Libraries   React • Django • Pandas • OpenCV • PyTorch