Andrew Tang

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OBJECTIVE

Seeking opportunities to grow in and contribute to a software development team.

EDUCATION

UC BERKELEY
B.A. COMPUTER SCIENCE
GPA 3.41/4.00
December 2020

COURSEWORK

UNDERGRADUATE
Data Structures
Computer Architecture
Efficient Algorithms
Operating Systems
Introduction to Databases
Internet: Architecture and Protocols
Interpretation of Computer Programs
Introduction to Artificial Intelligence
Computer Security
The Foundations of Data Science
Principles & Techniques of Data Science

SKILLS

PROGRAMMING LANGUAGES
Python • Java • C++
Javascript • CSS • HTML
React.js • SQL

FRAMEWORKS
Git • Latex • ElasticSearch
Logstash • Kibana • Firebase

AWARDS

ACADEMIC
AIME Qualifier (2016)
USACO Silver Contestant
National Merit Finalist (2017)
2nd Place Award Synopsys Science Fair, Engineering Category (2015)

MISCELLANEOUS
2x CalChess State Grade Level Champions (2014-2015)
Top 50 at California State Parliamentary Debate (2016)

EXPERIENCE

AMAZON.COM | SOFTWARE DEVELOPMENT ENGINEER I
06/2021-Present| San Francisco
- Onboarded 150+ Amazon Fresh retail merchants onto internal accounting platform enabling accurate financial reporting to the Amazon General Ledger.
- Automated monthly accounting efforts, reducing 25 hours of development work every month.
- Implemented an end-to-end solution that generates the sub-ledger accounting entries from the purchase document for F3 service fee charges.

AMAZON.COM | SOFTWARE DEVELOPMENT ENGINEER INTERN
05/2020-08/2020 | San Jose
- Designed and developed a React.js front-end of a self-service bulk action tool used for enforcement on over 200k sellers.
- Eliminated preparation time for bulk-action enforcements by moving the validation to the frontend, accelerating the entire workflow by over 30x.
- Utilized Amazon Cloud Development Kit to establish a fully automated infrastructure and environment with AWS API Gateway, Lambda, and S3.

05/2019-08/2019 | Seattle
- Integrated ELK stack onto enforcement service that created metrics, dashboards, and alarms to track application logs.
- Created system of structured JSON data that enables advanced analytical capabilities which can query, aggregate, and report.
- Delivered actionable insights in real time which reduced engineering team's debugging time by 90%.

COMPUTER SCIENCE MENTORS | DATA STRUCTURES MENTOR
08/2018-05/2019 | Berkeley
- Mentored group of students through core Data Structures concepts like Maps, Graphs, DFS, BFS and Tries.
- Held review sessions and created detailed worksheets for upcoming midterms.
- Helped build and maintain infrastructure and architecture of the CSM scheduler website as part of the tech team.

PROJECTS

MONERO CRYPTOCURRENCY | AUGUST 2018
- Built computer with Radeon Vega GPU that performed with a hash rate of 1339.7 Hashes per second.
- Accomplished a hash rate 10x speed faster than the average GPU.

CAL HACK EARTHQUAKE APP | OCTOBER 2017
- Launched an archetype for real-time earthquake alert app for Android.
- Used basic XML user interface tool to create and design template for nearest hospitals, public shelters, and food banks.

SYNOPSYS SCIENCE FAIR | MARCH 2015
- Worked with findlaw.com on analyzing recent real-time DDoS attacks.
- Created an algorithm that accurately targets the source location of malicious web behavior.