Joey Albano

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EDUCATION

UC SAN DIEGO
B.S. Mathematics, Economics
May 2015
Cum Laude
GPA: 3.6

LINKS

: Github (jalbatross)
in: LinkedIn (jalbatross)

SKILLS

FRAMEWORKS
React
Node
Express
AngularJS
Netty

TOOLS
Git
MongoDB
Redis
Unix: Ubuntu, Amazon Linux
Amazon: AWS, EC2
PostgreSQL
Flatbuffers
Android Studio

LANGUAGES

Javascript	Python
Java	C++
HTML	CSS
LaTeX	Markdown
GraphQL	Objective-C

EMPLOYMENT

AFFICIENT ACADEMY | Data Analyst & Mathematics Instructor
Sep 2017 – Present | Cupertino, CA

- Increased customer outreach to 100% and reduced customer churn by developing and deploying a web-based CRM using **React**, **Express**, **Node**, and **Python**.
- Efficiently served 500+ customer data blobs from **MongoDB** under memory limitations by developing and deploying an **Express** backend with a multi caching strategy **(flatcache, Redis)**.
- Unit testing with **Mocha**, **Chai**, **Jest**, **Istanbul**, and **Pytest**.
- Developed web-based Mathematics educational content using **HTML5**, **CSS**, and charting utilities including **C3.js** and **D3.js**.
- Identified high churn probability customers by creating a machine learning model in **Python** using **TensorFlow** and **Keras**.
- Refactored and scaled an automated system for sending reports to 500+ users using **Python** and **Javascript**.

AJ TUTORING | Computer Science, Mathematics
Dec 2016 – Aug 2016 | Los Gatos, CA · San Jose, CA

- Taught Computer Science and Mathematics to students, G6 to Undergrad

PROJECTS

NETTY CHAT SERVER | Java, Javascript, AngularJS, Netty
Jun 2017 – Aug 2017

- **EC2** hosted multi-user chat server with Rock, Paper, Scissors
- Self-taught **AngularJS**, **PostgreSQL**, **Netty** for project
- Implemented a **Postgres** database to store encrypted user credentials
- Developed **Java** backend with **Netty**
- Developed web front end SPA using **AngularJS** and CLI **Java** client
- Serialization between backend and frontend handled with **Flatbuffers**
- **Version control** using **Git**

TELEPORTME | iOS, Objective-C
Aug 2016 - Sep 2016

- iOS application for Jailbroken phones designed to falsify user GPS location
- Used **Objective-C** to build the application
- Queried the **Mapzen API** to fix user altitude when teleporting to a new location

MISC

Speedrunning	Magic: The Gathering	Guitar
120 WPM	Music Production	Gaming