Joey Albano

https://joeyalbano.com

joeycalbano@gmail.com | 408.728.3629

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

- Deployed and developed an internal **React** web application to efficiently monitor and communicate with customer base.
- Implemented an **Express** backend with caching to efficiently serve 500+ customer data blobs from **MongoDB** under memory limitations.
- Unit testing with **Mocha**, **Chai**, **Jest**, and **Istanbul**.
- Developed Mathematics educational content using charting utilities including **C3.js** and **D3.js**.
- Identified weak points in educational web app for student learning outcomes by performing analytics using **Matplotlib**.
- Created a machine learning model in **Python** using **TensorFlow** and **Keras** to predict customers with a high probability of churn.
- Refactored an automated system for sending reports to 500+ users for scalability using **Python** and **Javascript**
- Developed an IMAP monitoring system in **Python** with an **Express + Redis** backend to archive and retrieve e-mail communications with customers, serviced by a user-friendly **React** GUI.

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