Keith Tachibana

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💾 APPLICATIONS DEVELOPED

Metalink, *A mobile-first, full-stack web application for lovers of metal music that aims to link them with other fans of the genre* ↗
- Was the lead developer in a group with 2 other programmers
- Created all user stories using **Agile** methodologies and assigned them to everyone to ensure deadlines were met
- Started with the backend development first using **Node.js** and **Express.js** for API route handling and **endpoints**
- Designed all **schemas** for our **Postgresql** tables that stored user accounts, user posts, and chat room records
- Primarily used **React.js** for all frontend UI components and were able to finish all requirements and stretch features days ahead of schedule

EZ-FIT, *A single page application (SPA) that creates workout schedules based on the user's FitBit data* ↗
- Given 3 months to showcase an application of our choice to local industry leaders such Google, Amazon, etc.
- Labored with 2 other graduate students on a **SPA** using the FitBit **API** to download user data
- Settled upon using **MERN (MongoDB, Express.js, React.js, Node.js)** stack for core features
- Added **machine learning** algorithms to generate user workouts which required **Django** framework, and hosted end product on **Heroku**
- Completed all front-end **unit testing** with **Jest.js**

E-Commerce Site, *A fictitious retail site where shoppers can add or delete items from a shopping cart and place orders* ↗
- A solo project with an extensive **backend** written using **Express.js** for **CRUD (Create, Read, Update, Delete)** operations on user cart, user order, and products
- **Frontend** written using **React.js**, where I make **asynchronous** calls to the backend upon components mounting in the **DOM (Document Object Model)**

Income Predictor, *Predicts if person's income is greater than $50k with machine learning based on dataset containing 48,842 instances and 14 features* ↗
- A graduate school class project that required us to use **machine learning algorithms** to train and validate a given data set using **Python** and **Jupyter Notebook**
- Improved the baseline accuracy from 76% to 87.2% in correctly predicting income

💼 PROFESSIONAL EXPERIENCE

JetSuite Inc., *IT Technician*
Apr 2017 – Feb 2019 | Irvine, CA
- Created a script to send flight delay text alerts to passengers via **Simple Mail Transfer Protocol (SMTP)**
- Saved the Flight Operations department 2 hours of work daily using my script
- Appointed project leader tasked with integrating the Marketo **API** with our data warehouse
- Frequently ran **SQL queries** using MS SQL Server for upper management and accounting purposes

29' Prime, *IT Technician*
Mar 2013 – Jun 2014 | Irvine, CA
- Worked as first responder for all incoming work tickets
- Finished with a daily average of 15-25 tickets completed
- Troubleshooted hardware/software/networking issues for the entire company
- Managed multiple racks of **Linux** servers running **FreePBX** with over 250 SIP lines
- Repaired computers, setup new workstations, maintained and expanded network infrastructure

🧠 SKILLS

Languages, Libraries, Frameworks:
(JavaScript ECMA 6+, TypeScript, Python 3, C/C++, Java, jQuery, HTML 5, CSS 3, SASS, Node.js, Express.js, React.js, Vue.js, Redux, Next.js, Material-UI, Django, Flask, iPython, pip, Bootstrap 5, MySQL/MariaDB, PostgreSQL, MongoDB, Redis, Mocha/Chai, Jest, Linux BASH, Git, GitLabs, Jenkins, Docker, R, MATLAB)

Tools *(VS Code, Visual Studio Enterprise, JetBrains (CLion, IntelliJ IDEA Ultimate, PyCharm Professional, WebStorm), AWS, Google Cloud Platform/Developer, Google Colab, Azure, Linode, Linux (Ubuntu, Debian, LinuxMint, Manjaro, CentOS), Apache2, Nginx, Webpack, Babel, NPM, Yarn, Jupyter Notebook, Anaconda3, R Studio)*

🎓 EDUCATION

University of California, Irvine,
Master of Computer Science (MCS)
- 5 quarters of full-time classes
- Solidified understanding of C.S.
- Finished 3 month Capstone project
- Presented it to industry leaders
- Courses taken include: Algorithms, Machine Learning, Data Structures, Network Communications, Database Management

Learning Fuze,
Full-Stack Web Development
- 720+ hours of coding for 3 months
- Worked with senior developers
- Participated in group hackathons
- Worked on multiple solo projects

New York University,
Bachelor of Arts, Economics & Spanish
- Leadership Development Track award
- Internship for 4 years at the Hospital for Special Surgery

🌐 LANGUAGES

Spanish (Castellano)   ●●●●○
Professional Competency: Speaking, Listening, Writing, Reading

🏅 CERTIFICATES

COMPTIA A+ ↗
(http://verify.CompTIA.org with code QWCR3D93RGQ4QVS0)

Boy Scouts of America Eagle Scout