

# 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**

**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 e-mail protocols
- Saved the Flight Operations department 2 hours of work daily using my script
- Appointed project leader tasked with integrating an **API** with our database

**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**
- Repaired computers, setup new workstations, maintained network infrastructure

## 🧠 SKILLS

**Strong (2+ years)** (Python 3, C/C++, Linux (Ubuntu/Debian, Manjaro, CentOS), Bash, Git/GitHub/BitBucket/GitLab, Jupyter Notebook/Anaconda3, SQL (MySQL/MariaDB, PostgreSQL), Data Structures/Algorithms, Agile/SCRUM, VMware ESXi/Hyper-V/VirtualBox, Cisco IOS, AWS/Microsoft Azure, Machine Learning (Numpy, Scipy, Keras, Scikit-Learn, Pandas))

**Experienced (1+ years)** (JavaScript (ES5/ES6), CSS3, HTML5, React.js/Vue.js, SASS, jQuery, Bootstrap 4/Foundation, Next.js, Jest/Mocha/Chai, NoSQL (MongoDB), Inline Assembly)

**Tools** (Visual Studio 2019, VS Code Insiders, JetBrains IDE (CLion, WebStorm, PyCharm, IntelliJ))

## 🌐 LANGUAGES

**Spanish (Castellano)**

Fluent: Speaking, Listening, Writing, Reading

## 🎓 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

## 📜 CERTIFICATES

**COMPTIA A+ 📜**

http://verify.CompTIA.org with code QWCR3D93RGQ4QVS0

**Boy Scouts of America Eagle Scout**