

# Keith Tachibana

## SKILLS

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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

**EZ-FIT**, A single page application (SPA) that creates workout schedules based on the user's FitBit data ☑

- Labored with 2 other graduate students on a **SPA (Single Page App)** 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

- Principal help desk technician handling the majority of ticket requests from on-site personnel, terminal workers, and pilots
- One of the Domain Admins in charge of Active Directory, Google Suite, FreePBX/QueueMetrics, AirWatch (MDM), and SSO
- Directly managed servers running Windows Server 2012 R2, Ubuntu Server 16.04 LTS, VMware ESXi 6.7, and FreeNAS 11.2
- Managed all network appliances including Cisco SG300 PoE switches, Cisco Integrated Services routers, and Cisco Meraki AP's

**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

### 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

**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

**Orange Coast College/UCI Extensions,**

Undergrad CS Courses

- Spent 2014-2017 taking pre-requisites
- Was 1 of only 2 students admitted to MCS program without a degree in CS

## LANGUAGES

**Spanish (Castellano)** ●●●●●

Professional Competency: Speaking, Listening, Writing, Reading

## CERTIFICATES

**COMPTIA A+** ☑

(<http://verify.CompTIA.org> with code QWCR3D93RG04QVSO)

**Boy Scouts of America Eagle Scout**