

Keith Tachibana

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APPLICATIONS DEVELOPED

EZ-FIT: GitHub | Live,

Full-scale web app that creates a workout schedule based on user's FitBit data

- Integrated the FitBit **API** to generate workout suggestions
- Incorporated **machine learning** algorithms: k-means clustering & decision trees
- Hosted it on **Heroku** with **Node.js**, **Express.js**, and **MongoDB** as the back-end
- Built front-end using **React.js** that featured unique injury tracking system

Relational Database Management System: GitHub | Live,

A record-based system using SQL

- Built it modularly with **C++** starting with the file manager, relation manager, index manager, and finally the query engine
- Implemented multiple table join techniques such as block nested loop, index nested loops, and Grace hash joins

Income Predictor: GitHub | Live, *Predicts if person's income is greater than \$50k with machine learning based on dataset containing 48,842 instances and 14 features*

- Employed multiple **algorithms** such as k-nearest neighbors, random forests, neural networks, decision trees, logistic regression, and gradient boosting
- Improved the baseline accuracy from 76% to 87.2% in correctly predicting income

Star Wars Themed Memory Match: GitHub | Live,

An online game where the player must match cards

- Featured live statistics tracking, card shuffling feature, and dynamic card creation using vanilla **JavaScript**
- Implemented media queries for **mobile responsiveness** for better **UI/UX**

Student Grade Table: GitHub | Live,

A simple web app to add, delete, and edit student grades

- Coded in **JavaScript** to make asynchronous requests (**Ajax**) to an **API** with **jQuery**
- Made use of **object-oriented programming** to define multiple classes
- Styled it using **Bootstrap 4** in order to make it **mobile responsive**

PROFESSIONAL EXPERIENCE

JetSuite Inc., IT Technician

04/2017 – 02/2019 | 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

03/2013 – 06/2014 | 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

INTERESTS

Traveling

Studied abroad to Santander, Spain twice (2000, 2001) and Salamanca, Spain once (2003)

SKILLS

Strong

JavaScript (ES5, ES6), HTML5, CSS3, Bootstrap 4, Node.js, React.js, Express.js, Vue.js, MongoDB, MySQL, PostgreSQL, PHP, jQuery, Linux, Bash, Microsoft Server

Experienced

Python 3, C/C++, Android Studio, Flask, Arduino, Cisco IOS, Machine Learning

Tools

Git, GitHub, AWS, Microsoft Azure, VMware ESXi, Heroku, Salesforce, Marketo, Jupyter Notebook

LANGUAGES

Spanish (Castellano)

Fluent: Speaking, Listening, Writing, Reading

EDUCATION

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

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, Cryptography, Internet of Things, Computer Architecture, Network Communications, Database Management

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+
- Boy Scouts of America Eagle Scout