Mathew Esporas

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TECHNICAL SKILLS

- **Programming Languages**: JavaScript, HTML, CSS, NOSQL, SQL, Python, C
- **Developmental Tools:** Node, MongoDB, Jest, Chai, Git, GitHub, Heroku, Windows, Linux
- **Web Frameworks:** Express, React, Flask, Django

CODING PROJECTS

freeCodeCamp Testing Lesson https://tinyurl.com/FCC-Repo | https://codesandbox.io/s/testing-project-qldjt
- A **JavaScript** program to teach **Unit Testing** with **Jest** and **Chai** for freeCodeCamp's new curriculum
- Created a mock Garden program with **ES6** conventions for users to write unit tests against
- Contributed to freeCodeCamp's **Open Source** Curriculum Expansion project to help others learn testing

Recipe Viewer https://github.com/mesporas1/RecipeViewer | https://mobile-recipe-viewer.herokuapp.com/
- A website that parses recipes from popular recipe websites using **Node.js**, **Express**, and **React**
- Utilized **HTML5** and **CSS3** to design a practical **UI** where users can view the recipe on **mobile** devices
- Implemented **RESTful APIs** to scrape recipe data from websites with **cheerio**, a **jQuery** based library,

Budget Matters https://github.com/mesporas1/BudgetMatters | http://budgetmatters.herokuapp.com/
- A website for users to categorize transactions when posted with **Web Push Notifications** and **Webhooks**
- Developed a **React** frontend to make **Axios** requests from the **Express** backend's **RESTful APIs**
- Integrated website with **Plaid API** to get user's bank data and with **MongoDB** to store user's data

WORK EXPERIENCE

Panasonic Avionics Corporation   June 2016 – Present
Software Integration Test Engineer
- Conduct end-to-end tests on Inflight Entertainment (IFE) systems and create software builds for airlines
- Troubleshoot and debug software issues on **Linux** based embedded systems
- Create automation scripts using **BASH** commands and PAC's internal tools
- Configure systems according to wiring diagrams and customer requirements

Broadcom   June 2015 – May 2016
Test Engineering Intern
- Tested multiple Broadcom Ethernet products for quality assurance and durability
- Operated various electrical equipment including oscilloscopes and network analyzers

EDUCATION

University of California, Irvine   September 2012 – June 2016
B.S. Electrical Engineering with Specialization in Digital Signal Processing