CHRISTIAN MONTERO
Software Engineer

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EDUCATION

Stevens Institute of Technology, Schaefer School of Engineering & Science   Hoboken, NJ
Computer Science, MS GPA: 3.84   May 2020
Boston University, College of Engineering   Boston, MA
Biomedical Engineering, BS   May 2017

Relevant Coursework: Data Structures • Algorithms • Web Programming • iOS Development • Agile Methods
Database Management Systems • Software Development Process • Agile Methods • Software Testing & Automation

SKILLS

Programming Languages: Javascript (ES6), Python, HTML, CSS, MATLAB, SQL
Libraries & Frameworks: React, Node.js, Express, jQuery, Docker
Tools & Platforms: Git, Gulp, Heroku, Docker, Firebase, Travis CI, Visual Studio Code, Xcode, Postman
DBMS: MongoDB, PostgreSQL, Redis

PROJECT EXPERIENCE

Simplicity - Personal Budgeting   Personal Project
Python • JavaScript • Node.js • React • MongoDB • Redis • Axios • Plaid   Ongoing
  - Web application using the **MERN** stack, **socket.io**, and **Plaid** to create a personal budgeting application
  - Website to keep track of personal spending and generating appropriate budget based on spending patterns
  - Utilize **Firebase Auth** to ensure seamless single sign on using Google, Facebook, or personal email
  - Deployment using **Docker Compose** and **Amazon Web Services**

COVID-19 Testing Site   Stevens Institute of Technology
JavaScript • React • MongoDB • Node.js • Redis • Axios • Docker Compose   April 2020 - May 2020
  - Collaborated in a team of 4 to develop and maintain a continuously integrated web application providing users current statistics and information relating to COVID-19 at county, state, and national levels within the US as well as ability to schedule appointments for testing
  - Responsible for back-end architecture including development of RESTful API's, database atomicity and consistency, as well as docker micro-service containerization of application, and deployment to **Heroku**
  - Utilized **Google Places** and **Maps Javascript API** to display testing facilities within a 3 mile radius of a user's search

GEDCOM Parser   Stevens Institute of Technology
Python • MongoDB • TravisCI   Sep 2019 - Dec 2019
  - Devised a command line program to discover errors and anomalies within any GEDCOM genealogy file
  - Led weekly standup and oversaw backlog maintenance and progression while leveraging version control with **Git**

RecipeShare   Stevens Institute of Technology
HTML • CSS • JavaScript • Handlebars • Express • MongoDB • jQuery   May 2019 - Aug 2019
  - Developed front-end and back-end components of a social-media-type website where users may upload personal recipes

WORK EXPERIENCE

Memorial Sloan Kettering Cancer Center   September 2017 – Ongoing
Biomedical Equipment Technician (Perioperative Support)   New York, NY
  - Maintained over 500 units of equipment in the Operating Room and assisted OR staff in familiarization, in-servicing, troubleshooting, and repair of equipment including surgical robots, lasers, and endoscopic towers
  - Shared management of perioperative inventory within Biomedical Engineering database and led effort to remove damaged and out-of-service equipment
  - Coordinated as an Ambassador to the Diversity & Inclusion Initiative at JRSC by organizing monthly meetings, building multicultural events and creating educational content with a small team of Nurses, Physician Assistants, and Human Resources personnel