Carlos A. **Machin**

Software Engineer

Phone: 787-604-2705
Email: machin.cam@gmail.com

Portfolio Website: https://cmachin.github.io/portfolio
LinkedIn: https://www.linkedin.com/in/carlos-machin/

SCAN ME

Software Engineer passionate for improving my skills through hands-on development work. Well-organized and collaborative team player with strong communication and analytical abilities.

Education

Aug 2017 - May 2023
Bachelor of Science: Software Engineering
University of Puerto Rico - Mayaguez, PR
- NCAS-M Fellow
- 3.5 GPA

Work Experience

Jul 2023 - Present
Software Engineer – EEDP
GE Healthcare – Milwaukee, WI
- Implemented and utilized software testing frameworks, such as Jest, to deliver reliable software.
- Developed software applications using Angular and Electron frameworks.
- Participated and collaborated with a team of experienced software engineers in an agile environment.

May 2022 - July 2022
Software Engineer Intern
GE Healthcare - Remote, PR
- Developed browser-based tools for data visualization.
- Prepared and submitted reports and other documentation about software development.

July 2021 - Sept 2021
Engineer Intern
Instarz - Remote, PR
- Gathered, arranged, and corrected research data to develop 3D models for a lunar habitat.
- Utilized job-related software to perform descriptive and statistical analysis of data.

June 2019 - Aug 2019
Computer Hardware Intern
Emsys - Guaynabo, PR
- Performed troubleshooting to correct computer hardware and software malfunctions.
- Monitored company inventory to keep databases updated.

Competencies

- Frontend Development
- Backend Development
- Data Structures
- Database Management
- REST API Development
- Agile/Scrum Environments

Skills

- HTML
- CSS
- JavaScript
- Java
- C++
- MATLAB
- Git
- Python
- React
- Docker
- Node.js
- TypeScript
- Angular
- SQL
- React Native

Languages

- English (Advanced)
- Spanish (Advanced)

Research

Dec 2021 – May 2023
Bathymetry ASV
Bio-optics Oceanography Laboratory – Lajas, PR
- Developed an informative website for the laboratory.
- Developed a web application for data logging and visualization.
- Developed firmware for an autonomous surface vehicle.

Feb 2020 - Dec 2021
Solar-Powered Race Car
University of Puerto Rico Mayaguez – Mayaguez, PR
- Developed telemetry gathering technics for a solar powered race car.
- Developed a database for storing telemetry data.

Projects

Sept 2023 – Present
PicklePal
Personal Project
- Pickleball companion app for looking up courts, tournaments, and people to play with. Developed using React Native.

Jan 2023 – May 2023
Greenlease
Software Engineering Senior Design / Capstone Project
- Web application that helps students from the University of Puerto Rico find rent and lease accommodations near the university.

Jan 2023 – Feb 2023
Portfolio Website
Personal Project
- Personal website for documenting my work history, showcasing my research, and displaying my coding projects.

Aug 2022 – Dec 2022
Email App
Software Engineering Course Project
- Full stack web application where users can add friends, send emails, edit emails, and see some cool stats.

Certificates

Dec 2020
HackerRank Java Certificate
https://www.hackerrank.com/certificates/d8ff64c7897e

Dec 2020
HackerRank Python Certificate
https://www.hackerrank.com/certificates/1a504d147973

Oct 2022
HackerRank JavaScript Certificate
https://www.hackerrank.com/certificates/177cf9d6cc1c