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Portfolio: <https://cmachin.github.io/portfolio/>

HackerRank: https://www.hackerrank.com/carlos_machin/

Software Engineering student dedicated to improving skills through hands-on learning and development work. Experienced in Agile and Scrum environments. 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 History

May 2022 - July 2022

Software Engineer Intern
GE Healthcare - Remote, WI

- Developed browser-based tools for data visualization.
- Prepared and submitted reports and other documentation about software development.
- Worked closely with peers to identify issues and provide suitable resolutions.
- Documented technical workflows and knowledge to educate newly hired employees.

July 2021 - Sept 2021

Market Research 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 stock levels and databases updated.
- Linked computers to network and peripheral equipment.

Research Projects

Dec 2021 – May 2023

Bio-Optical Oceanography Laboratory
University of Puerto Rico Mayaguez - PR

- Developed laboratory website.
- Developed data visualization software for a remote operated vehicle.

Feb 2020 - Dec 2021

Solar Energy Research with a focus on Transportation
University of Puerto Rico Mayaguez - PR

- Developed telemetry gathering software for a solar powered race car.
- Created a database for storing telemetry data.

Competencies

- Web app development
 - Software Development
 - Algorithms and Data Structures
- Database programming
 - Engineering standards
 - Development Standards

Technical Profile

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

Languages

- English (Advanced)
- Spanish (Advanced)

Certifications

Dec 2020

HackerRank Java Certificate

Dec 2020

HackerRank Python Certificate

Oct 2022

HackerRank JavaScript Certificate