


Cristian M. Ruiz Cruz

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EXPERIENCE

Programmer Analyst Intern

Aug 2018 - Dec 2018

MCS Healthcare Holdings Inc - San Juan, PR

- Developed a web application focused on automating the auditing process for user accesses in the IT Security Unit by processing and analyzing data from over 2000 internal and external company users and generating 8 different user access certifications and reports.

Embedded Systems Research

Aug 2019 - Dec 2019

University of Puerto Rico - Mayagüez

Advisor: Dr. Nayda Santiago

- Studied the structure, components, design, and specifications of current Field Programmable Gate Arrays (FPGAs) to understand their applications in Edge Computing and Internet of Things (IoT) and develop a feasible project.

Front-end & UI/UX Engineer

Jan 2018 - May 2018

University of Puerto Rico - Mayagüez

Advisor: Dr. Nayda Santiago

- Lead the usability testing team towards improving the user's experience using the Industrial Affiliates Program (IAP) web application.
- Created new wireframes and mockups for newly added administrative and statistical features.
- Practiced scrum agile framework with the team to successfully complete all assigned front-end tasks..

Consultant & Front-end Developer

Jun 2017 - Jun 2018

Richport Solutions Inc - Mayagüez

- Lead the front-end development of a social and digital media manager web-based system using build tools such as Bootstrap, Angular, Angular Material, Less, and Gulp.
- Applied user-centered design and research providing the client with the requested in-app services.

PROJECTS

Enfoque - mobile app for the Puerto Rican Enfoque Film Festival

Coki Light - DIY light system kit to teach kids about embedded systems

Indie Games - custom card memorization and 2D Mega Man games

MP Simulator - custom microprocessor simulator built with Java

PO Web App - new and redesigned UPRM Placement Office web app

EDUCATION

Computer Engineering

University of Puerto Rico – Mayagüez

(Aug 2015 - Present)

Expected Graduation: **May 2021**

General GPA: **3.16**

Relevant Courses: Algorithms and Computer Programming, Advanced Programming, Fundamentals of Computer Programming, Data Structures, Software Engineering, Programming Languages, Computer Architecture and Organization

Google Tech Exchange Program

Sunnyvale, California

(Jan 2020 - Present)

General GPA: **Pending**

Relevant Courses: Machine Learning, Tech Entrepreneurship & Startups, Human-Computer Interaction, Product Management

TECHNICAL SKILLS

Programming Languages

Java, JavaScript/TypeScript, HTML, CSS, Python, C, SQL

Designing Software

Figma, Adobe XD, Illustrator, Photoshop, SketchApp, InVision

Languages

English, Spanish

LEADERSHIP & ACTIVITIES

Board Member (2018 - Present)

Computing Alliance for Hispanic-Serving Institutions (CAHSI) UPRM Chapter

Member (2017 - 2019)

IEEE Computer Society UPRM Chapter

Code For Good (2019)

Hackathon at JPMorgan & Chase

HackPR (2018)

National Hackathon in Puerto Rico