

DANIEL E. TORRES BURGOS

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EDUCATION

Bachelor of Science in Computer Engineering
University of Puerto Rico, Mayagüez Campus
Major GPA 3.38/4.00. GPA: 3.13/4.00.

Expected Graduation: May 2022

Relevant Courses: Data Structures, Microprocessors and Embedded Systems, Networking and Routing Fundamentals, Structure and Properties of Programming Languages.

WORK EXPERIENCE

Google Tech Exchange Scholar

January 2020 to May 2020

Chosen as one of 40 scholars to live in silicon valley, and learn at Google Headquarters for a semester for "Tech Exchange," a domestic exchange program by Google for underrepresented students in Tech. Took applied computer science courses taught by Google engineers and experts in the field in the following areas:

- Intro to Machine Learning
- Technology Entrepreneurship and Lean Startups
- Intro to Human Computer Interaction
- Product Management
- Applied Data Structures

Undergraduate Research: LiDAR Oriented Autonomous Landing System

Sponsored by Lockheed Martin

August 2018 to December 2019

Position: Former Co-Leader and Lead Lidar Sensor Technician

- Integrating Light Detection and Ranging sensors for an Unmanned Aerial Vehicle.
- Implementing an autonomous landing system that identifies safe landing zones
- Capturing real-time sensor data using Python and Robot Operating System (ROS)
- Co-managed a group of five.

Coki Racing Team UPRM

Position: Software/Electrical Technician

February 2018 to Present

- Assembled and optimized the electrical components of a chemical car.
- Programmed temperature, pressure sensors, and photoresistors that controlled a brake system with an Arduino UNO microcontroller.
- Assisted in developing a professional website. <http://www.cokiracingteam.com/>

Hacks UPRM App Inventor Summer Camp

July 2019

Position: Camp Mentor

- Oriented a group of high school students in programming and mobile app development
- Worked with MIT App Inventor

SKILLS

Programming Languages: Java, Python (Numpy, Pandas), C++

Artistic Skills: Percussion

Web Development: HTML/CSS, JavaScript

Soft Skills: Team Player, Problem

Tools: Figma, ROS, Git, Colab Notebook

Solving, Self-Motivated

Languages: Fluent in Spanish and English, Basic Italian

AWARDS

Student Chem-E Car awards in 2019 Southern Regional Conference.

Issued by The American Institute of Chemical Engineers to the Cokí Racing Team.

- First Place in Poster Competition, Second Place in Performance, Third Place in Creativity.

Certificate of Excellence for performance in a game development project in Advance Programming course