DANIEL E. TORRES BURGOS

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EDUCATION

Bachelor of Science in Computer Engineering **Expected Graduation: May 2022**
University of Puerto Rico, Mayagüez Campus
Major GPA 3.45/4.00. **GPA: 3.20/4.00.**
Relevant Courses: Data Structures, Microprocessors and Embedded Systems, Networking and Routing Fundamentals, Structure and Properties of Programming Languages.

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 Present**
Position: Former Co-Leader and Lead Lidar Sensor Technician

- Co-managed a group of five.
- 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)

Coki Racing Team UPRM
Position: Software/Electrical Lead Technician **February 2018 to Present**

- Leading a team of 5 in the assembly and optimization of electrical components of a chemical car.
- Programmed an Arduino UNO microcontroller that had temperature, pressure sensors, and photoresistors that controlled a brake system.
- 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++
Web Development: HTML/CSS, JavaScript
Tools: Figma, ROS, Git, Colab Notebook
Languages: Fluent in Spanish and English, Basic Italian
Artistic Skills: Percussion, Music theory
Soft Skills: Team Player, Problem Solving Self-Motivated
Hardware Projects: Assembled custom PC, built microcontroller-based fall detector

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