ADRIAN TIRADO

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Objective

To participate in a Fall or Spring Co-op in the fields of Electrical or Computer Engineering

Education

Bachelor of Science in Computer Systems and Electrical Engineering, Dual Major   2021
Rensselaer Polytechnic Institute – Troy, NY   3.47 GPA
Relevant Coursework:
Data Structures, Embedded Controls (Fall 2018), Differential Equations (Fall 2018)

Technical Skills

Programing Languages
Python, C++, C, JavaScript, Ruby, HTML, CSS

Machine Learning
Scikit, TensorFlow, Apache Spark

Data Analysis and Visualization
Numpy, Pandas, Seaborn, Plotly, Matplotlib

CAD Software
Autodesk Fusion 360, Siemens NX 11, Onshape

Web Development
React.js, Node.js, Express.js, Bootstrap

Languages
English, Spanish

Engineering Experience

Freelance Computer Engineering   May 2018 – Present
Created Machine learning models to predict Cryptocurrency price changes and built an Arduino
and C++ Library for BLE communications between a hybrid crypto wallet and mobile devices.

Engineers Without Borders – Panama Project   Sep 2017 – Present
Rensselaer Polytechnic Institute – Troy, NY
Designing an off-grid solar energy system for a school and church in Panama using self-developed
software to simulate the amount of power generated on a given interval of time

Summer Engineering Institute – Wind Farm Project   Jul 2016
Georgia Institute of Technology – Atlanta, GA
Developed and tested new types of wind turbines for use in big scale energy production using
mostly recyclable materials

Leadership Activities

Society of Hispanic Professional Engineers (SHPE) – Internal Secretary   Sep 2017 – Present
- Redesigned and maintained the organization's main website
- Managed inventory of the organization's storage space
- Organized Outreach Weekend events for high school students in the New York region
- Developed activities for high school students within the SHPE Jr. program
- Directed the MentorSHPE program to support and guide new RPI students

Resident Student Association (RSA) – Crockett Hall Treasurer   Sep 2017 – May 2018
- Managed the activity budget for a residence hall comprised of 150+ students
- Organized unity and relaxing events for the residents of the hall
- Volunteered as a guide for Housing Tours