

# Rafael O. Vega Rodriguez

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## WORK EXPERIENCE

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### Provide LLC.

Ceiba, Puerto Rico

*Software Developer (Hybrid)*

October 2023 - Present

- Conceptualized, developed, and implemented new features for the company customer relationship management product, ensuring high performance and scalability. Enhanced existing functionalities and provided ongoing support.
- **Skills:** *Python, Flask, PostgreSQL, HTML, CSS, JavaScript, GitHub, AWS, Stripe and Office Suite*

### Aptima Puerto Rico

San Juan, Puerto Rico

*Software Engineer Intern (Remote)*

August 2023 - December 2023

- Develop a program that audits projects for compliance with company requirements and integrates the findings into the internal database.
- **Skills:** *Python, Docker, YAADA, ElasticSearch, GitLab, YouTrack and Office Suite*

### Holberton School

San Juan, Puerto Rico

*Tutor (Hybrid)*

May 2023 - December 2023

- Facilitated collaborative study sessions, organized technical workshops, and actively engaged in meetings with the Lead Software Engineer to enhance student experiences, skills, and the staff-student connection in a tutoring role at Holberton School.
- **Skills:** *Bash, Git, Visual Studio Code, Discord, Google Meets, Teamwork and Time Management*

### Puerto Rico Department of Education

Caguas, Puerto Rico

*Computer Science Teacher (Hybrid)*

September 2019 - June 2022

- Achieved 20% increase in student achievement through tailored lesson plans, coordinated entrepreneurship activities, contributed to school technology initiatives, and maintained effective communication.
- **Skills:** *Planning, Time Management, Teamwork, Teaching, Adaptability and Self-Motivation*

### National Institute for Energy and Island Sustainability, UPR

San Juan, Puerto Rico

*Graduate Researcher (Hybrid)*

April 2018 - June 2018

- Coordinated stakeholder meetings and promoted energy system transformation in Puerto Rico, while analyzing energy cooperatives and investigating their integration potential.
- **Skills:** *Stakeholder Coordination, Research, Data Analysis and Public Speaking*

### Cooperative League

San Juan, Puerto Rico

*Researcher Officer (On-Site)*

August 2016 - July 2017

- Conducted data analysis, authored a comprehensive guide, and coordinated stakeholder meetings in the cooperative sector.
- **Skills:** *Research, Data Entry, Data Analysis, Data Visualization and Public Speaking*

## EDUCATION

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### Holberton School

*Software Engineer - Computer Science*

San Juan, Puerto Rico

September 2022 - Present

- Completed a project-based learning program in computer science, gaining skills in low-level programming, object-oriented programming, database management and web development.
- Currently enrolled in a machine learning program, learning to develop and apply machine learning models to solve real-world problems.
- **Relevant projects:** *Express-O, AirBnB Clone, Shell Command Line Interpreter, Printf, Sort and Search Algorithms*

### University of Puerto Rico – Rio Piedras Campus

*Master of Management and Development of Cooperatives and Social Organizations*

San Juan, Puerto Rico

August 2016 - June 2018

- Completed a comprehensive program covering cooperative theory, legal frameworks, governance, financial management, marketing, social responsibility, and global perspectives on cooperatives.
- Gained practical experience through internships and fieldwork, conducted independent research on energy cooperatives, and engaged with a diverse community of scholars and professionals in the cooperative sector.

### University of Puerto Rico – Mayagüez Campus

*Bachelor of Economics with a minor in International Affairs*

Mayagüez, Puerto Rico

August 2011 - June 2016

- Completed a rigorous economics program, honing analytical and critical thinking skills through coursework and research projects, while actively engaging with the economics community.
- Gained hands-on experience as an undergraduate researcher, contributing to a publication on a non-PRASA aqueduct pilot plan through research, data analysis, and policy development.

## SKILLS & ABILITIES

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**Languages:** Spanish (Native) & English

**Programming Languages:** Python, HTML, CSS, JavaScript, Flutter, C, R, SQL & NonSQL

**Tools:** Bash, Git, MySQL, PostgreSQL, Firebase, Elasticsearch, Docker, Boto3, YouTrack & Office Suite

**Soft-Skills:** Self-learning, Problem Solving, Time Management, Public Speaking, Teaching & Teamwork