

# Rosario Firmino Palazzolo

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## WORK EXPERIENCE

**Alteryx**, Remote— *Software Engineer (Intern & Full-time)*

July 2023 - June 2024, May 2022 - August 2022

### Duties:

1. Actively engaged in sprint planning sessions using Jira, contributing to task estimation and prioritization.
2. Developed RESTful API endpoints within a microservice architecture to support efficient backend services.
3. Utilized React and Redux for building responsive and dynamic user interfaces, ensuring a seamless user experience.
4. Designed and deployed interactive guides using WalkMe to enhance user experience and reduce friction.
5. Wrote and executed unit, integration, and end-to-end tests to ensure application stability and performance.

**University of Florida**, Remote- *Machine Learning Research Assistant*

January 2022 - May 2022

### Duties:

1. Utilized Python, Pytorch, and Scikit-learn to aggregate and analyze data on fertilizer optimization.
2. Preprocessed data for feature extraction, ensuring high-quality input for machine learning models.
3. Created interactive data visualizations using Plotly to present findings and insights.
4. Employed NumPy for efficient mathematical computations and data manipulation.

## PROJECTS

**Image Genius**— *Personal Project* | [imagegeni.us](https://imagegeni.us)

Created a full-stack SaaS application using Next.js, Tailwind, MongoDB, React, Clerk, Stripe, and Cloudinary. Image Genius takes advantage of Cloudinary's API to allow users to alter their images with AI using a credit-based system.

**Wagwan**— *Project Assignment* | [cise.ufl.edu/~dpayne1/wagwan](https://cise.ufl.edu/~dpayne1/wagwan)

Developed Wagwan, an intuitive web app for discovering local events, using the LAMP stack (PHP, MySQL, Bootstrap, CSS, HTML, JavaScript, jQuery). Implemented features such as user account management, event postings, dynamic ratings, and integration with Google Maps and Calendar.

**CEO Inc**- *Contracted Project* | [ceoinc.com](https://ceoinc.com)

Created and maintained a completely new Single Page Application with Node.js and React.js. Deployed with AWS CloudFront and S3.

**YOUiversity**— *Hackathon Project* | [tinyurl.com/bdf8taix](https://tinyurl.com/bdf8taix)

Utilized Python and Streamlit in addition to the USDOE University dataset to create and deploy a university data filtering software for Swampacks 2022, winning the Domain.com challenge.

## EDUCATION

**University of Florida**,

Gainesville, FL

May 2023

**Cum Laude**

B.S. in *Computer Science*

Minor in *Mathematics*

## ONLINE PRESENCE

**LinkedIn:**

[linkedin.com/in/rosariofp](https://www.linkedin.com/in/rosariofp)

**Portfolio:**

[rosariofirmino.dev](https://rosariofirmino.dev)

## RELEVANT SKILLS

**C, C++, C#**

Unity

**Python**

Keras

PyTorch

scikit-learn

**Java**

**JavaScript**

**TypeScript**

React

Redux

Node

Next

**DB**

MongoDB

SQL

**HTML/CSS**

Tailwind

**GIT**

**CI/CD**

Gitlab

Jenkins

**AWS**

S3

Cloudfront

**Testing**

Jest

Mocha

TestCafe