

Avery Reyna

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EXPERIENCE

Capital One

August 2023 – Present

Software Engineer in Training

McLean, VA

- Participated in a software engineering immersive training **building 16 dynamic projects** over six months utilizing a modern tech stack (HTML, CSS, and JavaScript), RESTful patterns, and MVC web development frameworks
- Cooperated with multiple teams deploying web and mobile applications using an **agile development workflow**, collaboration practices in **Git** and **GitHub**, and sprint task assignment utilizing **Jira tickets** to keep track of progress

ActBlue

August 2022 – May 2023

Data and Reporting Intern

Somerville, MA

- Collaborated with the Developer Experience team to analyze existing workflows within HubSpot and found opportunities to automate processes using **Python** and the **Hunter.io API** leading to a **75% reduction** in data entry
- Conducted an independent machine learning project that analyzed the impact of various donation patterns on election outcomes across the United States in 2022, utilizing **Python**, **NumPy**, and **XGBoost**, achieving high accuracy rates
- Spearheaded ad hoc data analysis for both technical and non-technical teams by developing interactive dashboards in **Looker**, creating data visualizations with **Vega**, and optimizing data processing workflows with **Python**

Swing Left

August 2021 – May 2022

Analytics Intern

Washington, D.C.

- Overhauled old data infrastructure by co-designing workflows that mapped out key pipelines that connected **PostgreSQL** databases to new **Snowflake** warehouses and eliminating **55 inactive Metabase dashboards**
- Ideated and launched a binary logistic regression model using **Python** and **scikit-learn** that internal Community and Marketing teams used to better their donation-focused marketing campaigns targeting **250k active voters a year**

PROJECTS

CoupCast

January 2022 – May 2023

Machine Learning Engineer

Orlando, FL

- Developed a novel machine learning-based early warning forecasting platform with **generalized additive models** that estimated the monthly risk of illegal leadership turnover and overthrows of government for **201 countries globally**
- Designed and implemented data pipelines using **Pandas** and **NumPy** that transformed raw coup data into visualizations that were used for internal reports and articles for online publications with over **500k readers a year**

SpaceNav and Help Supporters

June 2022 – August 2022

Full Stack Engineer

New York, NY

- Deployed two web applications with **React.js** and **TypeScript** that helped blind and low-vision users consume and produce web content on unknown desktop user interfaces via audio spatialization and directional navigation
- Created a mobile application with **React Native** and **Socket.io** for a **20-person study** that discovered new categories of assistive technologies that can create connection between sighted and blind and low-vision users in exploration

SKILLS

Languages: HTML/CSS, Java, JavaScript, TypeScript, Python

Softwares and Databases: MySQL, PostgreSQL, NoSQL, MongoDB, Docker

APIs and Frameworks: Node.js, Express.js, Knex.js, React.js, FastAPI

EDUCATION

University of Central Florida

2018 – 2023

Bachelor of Science in Social Sciences

Orlando, FL