

# Eric Fidalgo

Tampa, FL | [ericfidalgo.cs@gmail.com](mailto:ericfidalgo.cs@gmail.com) | [linkedin.com/in/eric-fidalgo/](https://www.linkedin.com/in/eric-fidalgo/) | [ericfidalgo.github.io/portfolio/](https://ericfidalgo.github.io/portfolio/)

Software Engineer and Data Scientist building analytics systems for clients including Meta, NBA, and ESPN |  
Experienced in C++, Python, AWS, GCP, BigQuery, and MySQL | Bilingual (English/Spanish)

## EDUCATION

### Florida State University

Tallahassee, FL

*Bachelor of Science in Computer Science*

*May 2026*

**Cumulative GPA:** 3.7/4.0

**Academic Honors:** President's List, Dean's List

**Coursework:** Data Structures & Algorithms II, Computer Networks, Artificial Intelligence, Programming Secure Parallel and Distributed Applications, Offensive Security, Theory and Structure of Databases, Network Security and Cryptography

## SKILLS

**Programming Languages:** C++, Python, SQL, HTML/CSS, Java, C#

**Cloud & Platforms:** AWS (Lambda, CloudFront), Google Cloud Platform, Linode, Linux

**Developer Tools:** Docker, JIRA, Gradle, PostMan, VMware, Git, Gitlab, GitHub

**Frameworks & Libraries:** Elastic (Kibana), Pandas, NumPy, Scikit-Learn, Matplotlib, Spring Boot

**Languages:** Native in English and Spanish

## INDUSTRY EXPERIENCE

🔗 **YBVR** | *Python, Google BigQuery, Elastic (Kibana), Docker*

**May 2025 – Present**

*Data Science Intern → Data Scientist (Part-Time)*

*Madrid, Spain*

- **Redesigned the user tracking system for the Xtadium application**, creating new performance metrics and refactoring the tracking code, enabling more comprehensive data collection
- **Developed the user analytics database to over 1M+ rows** on Google BigQuery for advanced metric tracking
- **Created dashboards and dataframes in Elastic (Kibana Lens)** to visualize user engagement patterns, providing insights for stakeholders and the product team
- Compiled the analytics into executive reports and presentations for key stakeholders including **Meta, NBA, FOX, ESPN, NASCAR, TNT, and UFC**

🔗 **Florida Biz Scraper** | *Python, AWS, BeautifulSoup*

**May 2024 – July 2024**

*Software Engineer (Freelance)*

*Tampa, FL*

- Developed a **Python-based web scraping software** in collaboration with client, automating data from Florida's LLC database, **processing over 100 companies per minute** into Excel files
- Increased **platform security** by implementing **2FA authentication system** using Amazon WorkMail and automated URL sanitation via **AWS Lambda**

## PROJECT EXPERIENCE

🔗 **House Price Prediction Model** | *Python, Machine Learning, SQL*

- Built a **machine learning model** using Pandas and Scikit-Learn to predict median house prices across **20,000+ districts in California** with a **Random Forest Regressor**, achieving a **mean absolute error (MAE) of \$32,000**
- Conducted data preprocessing and visualization for feature selection, improving model **accuracy by 15%**
- Implemented the dataset in a **SQL database**, enabling efficient **location-based filtering and price analysis**, resulting in **faster queries** compared to traditional CSV lookups

🔗 **Local Database with Hash Maps and Encryption** | *C++*

- **Designed a secure user authentication system** by implementing a **custom hash table** with file storage and dynamic rehashing, enabling efficient management of **over 10,000 user accounts**
- Utilized **libsodium library** to implement **Argon2id hashing**, providing **secure credential storage with resistance to brute-force attacks** and enabling efficient password verification

## LEADERSHIP & RECOGNITION

**Association for Computing Machinery (ACM) & AWS Cloud Club @ FSU** – Active Member

**2x Soccer State Champion (MVP 2021)** | **Interests:** Water/Snow Skiing, PADI Certified, Dirt Bike Enthusiast