

# Gabriel Gumprich Delfino Silva

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## EDUCATION

University of Virginia

B.A. in Computer Science, B.A. in Economics

Charlottesville, VA

Expected Graduation, May 2026

## EXPERIENCE

Electronic Arts (EA)

San Francisco, CA

Analytics Intern

May 2025 – Aug 2025

- Delivered pivotal analysis on coordinated teams vs. solo performance across 1M+ matches in Apex Legends; findings directly influenced core matchmaking design and informed balance adjustments adopted by senior game designers.
- Developing a **machine learning model to forecast 7-day player churn**, supporting retention strategy at scale.

Data Analyst Intern

May 2024 – Aug 2024

- Spearheaded the end-to-end development** of an innovative, data-driven system to detect player collusion in Apex Legends, a popular video game with 170 million players life-to-date, enhancing game integrity and player experience.
- Took ownership of project planning**, collaborating cross-functionally with the Security and Data Science teams to align technical execution with stakeholder needs.
- Engineered robust SQL pipelines to extract and transform collusion-related gameplay data for model training.
- Conducted statistical analysis and model testing in Python to improve detection accuracy and reliability.
- Automated delivery of daily model outputs into Snowflake, enabling near real-time review and enforcement by the Security team — **boosting operational efficiency by over 500%**.

UVA Darden School of Business

Charlottesville, VA

Technical Research Assistant (Decentralized Governance and Digital Asset Prices)

Sep 2023 – May 2025

- Conducted research on DAO governance structures, Web3 M&A activity, and investor behavior in crypto markets.
- Developed Python scripts to collect, clean, and visualize digital asset data for over **1000+ assets**.
- Analyzed 200+ M&A deals** in the Web3 ecosystem to assess novel market consolidation patterns.
- Performed regression analysis using STATA to identify trends in DAO governance and asset pricing.

## PROJECTS

StudyRoomFinder | Full-Stack Developer - [studyroomfinder.app](https://github.com/gabes19/StudyRoomFinder)

Flask · PostgreSQL (SQLAlchemy) · Selenium · AWS Lambda · AWS RDS · Heroku · BeautifulSoup · Plotly

- Developed a full-stack web application to track and display real-time study room availability at UVA.
- Automated data scraping via AWS Lambda, storing data in PostgreSQL with AWS RDS for trend analysis.
- Applied ETL/EDA techniques to uncover patterns in space utilization, visualizing trends using interactive Plotly graphs.
- Github: <https://github.com/gabes19/StudyRoomFinder>.

Project Management App | Software Architect - Team Project

Django · PostgreSQL · Amazon S3 · Google OAuth · Heroku · GitHub Actions

- Led system architecture for a Django-based multi-user PMA with role-based access and Google authentication.
- Designed and implemented support for file uploads with searchable metadata stored in Amazon S3.
- Built backend features for project creation, member management, and messaging using Django.
- Integrated CI/CD via GitHub Actions and deployed the app on Heroku with cloud-hosted PostgreSQL for persistence.

## TECHNICAL SKILLS

Languages & Frameworks: Python (Flask, Django), Java, SQL, HTML/CSS, JavaScript, STATA, R

Tools & Data: PostgreSQL, AWS (Lambda, RDS, S3), Git, Pandas, NumPy, scikit-learn, Plotly, Excel

## LANGUAGES

Native Fluency: English & Portuguese

Proficient: Spanish

## ACTIVITIES AND LEADERSHIP

UVA Brazilian Student Association (BRASA): Association Treasurer

Aug 2023 – Present

UVA Men's Club Soccer: Player

Aug 2023 – Present

UVA Data Science & Analytics Club: Member

Aug 2023 – Present

Google Developer Student Club @ UVA: Member

Mar 2024 – Present