

# Daniel Arriola

[danielarriola456@gmail.com](mailto:danielarriola456@gmail.com) | 310-633-0789 | [linkedin.com/in/danieljarriola](https://www.linkedin.com/in/danieljarriola)

## EDUCATION

### Carnegie Mellon University

GPA: 3.45/4.0

*B.S. in Information Systems, Minor in Computer Science & Human Computer Interaction*

*Aug. 2020 – May 2024*

## WORK EXPERIENCE

### Google

Youtube Search FrontEnd

*Software Engineering Intern*

*May 2023 – Aug 2023*

- Gained a deep understanding of YouTube client to server architecture and process flow.
- Located the specific entry points that lead to search inputs throughout client and server code.
- Created analytical access point metrics for all client-side abandoned searches.

### Google

Shopping User Generated Content

*STEP Intern*

*May 2022 – Aug 2022*

- Improved mismatched reviews debugging work with an SQL dashboard displaying visual matching data.
- Implemented a C++ pipeline to calculate review churn from over 3 billion Shopping Review data points.

### Carnegie Mellon University

Computing Services

*Technology Enhanced Facilities (TEF) Student Operator Manager*

*Aug. 2021 – Present*

- Facilitated computer lab usage by providing first-level troubleshooting and customer support.
- Contributed to Student Operator growth by providing a series of hands-on training and mentoring.
- Became a line of contact between student operators and full-time staff to relay issues and suggestions.

## PROJECTS

### Fig Tree Archive | *Wix, HTML, CSS, Figma*

Jan. 2023 – May 2023

- Consulted for and worked with the Italian Garden Project nonprofit organization.
- Built a functional visual and interactive archival database website for generational Fig Trees in the US.
- Leveraged a user-friendly pipeline to automatically display fig tree visual, textual, and locational data.

### Great Pittsburgh Baking Outlet E-Commerce App | *Ruby on Rails, SQL, HTML*

Jan. 2022 – May 2022

- Designed and created an E-Commerce prototype with a backend relational database supported by Ruby on Rails.
- Learned how to leverage the Model-View-Controller pattern to develop sophisticated software architectures.
- Utilized test driven development to ensure correctness using extensive backend and frontend unit tests.

## ACADEMIC ACHIEVEMENTS AND MEMBERSHIP

### 15-112 (Fundamentals of Programming) Connections Mentor

August 2022 – Dec. 2022

*Student Academic Success Center*

- Led a weekly small group of first-year Tartan Scholars taking 15-112: Fundamentals of Programming.
- Taught mentees life and academic skills needed to be successful in both the classroom and in college.
- Coached mentees through practice assessments designed to help them internalize content.

### Student Operator Mentor

August 2021 – Present

*Technology Enhanced Facilities (TEF)*

- Mentored student operators about job policies, responsibilities, and software.
- Devised training schedules and organized student resources along with the full-time staff.
- Continuously revised training materials and TEF wiki to best help student operators remain informed.

## TECHNOLOGY SKILLS

**Programming Languages:** Python, C++, C, Obj-C, Java, SML, SQL, HTML, CSS, Ruby

**Applications:** Git, Vim, VSCode, Xcode, Android Studio

**Databases:** Postgres, MongoDB, MySQL

**OS:** Ubuntu Linux, MacOS, Windows