# Daniel Arriola

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## 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*
*Tartan Scholar, Society of Hispanic Professional Engineers*

## 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
- Contributed functional code and tests to both the Android (java) and iOS (Obj-C) client code
- Located the specific client-side entry points that lead to server-side search inputs thought the search process
- Launched analytical access point metrics for all client-side abandoned searches for both mobile platforms
- Added visual SQL data representations to the team dashboard to assist in task planning and resource allocation

**Google**                                                                     Shopping User Generated Content
*STEP Intern*                                                                              *May 2022 – Aug 2022*
- Used team resources and meetings to quickly onboard onto the Shopping UGC process flow
- Worked closely with my STEP partner to outline review matching schema and identify mismatching reasons
- Improved mismatched reviews debugging efforts 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
- Devised training schedules and organized student resources along with the full-time staff

## PROJECTS

**SkateSpot iOS App** | *Swift, SwiftUI, CocoaPods*                                     Aug. 2023 – December 2023
- Designed and currently developing a crowd-sourcing platform for the skateboarding community
- Integrated Google Maps API to enable user uploaded location markers featuring overviews and reviews
- Constructed an in-app social media page showcasing user uploaded skating media featuring community reactions
- Gained experience in end-to-end application development and the software life-cycle

**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, Python*Jan. 2022 – May 2022
- Visualized 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 LEADERSHIP

**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
- Trained students in important skills necessary to be successful in both academic and professional environments
- Coached students through practice assessments designed to help them internalize the class content

## 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