

# Axel Aquino

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## Education

### University of Florida

Gainesville, FL

B.S. Computer Science, GPA: 3.43

Graduation Date: December 2024

Relevant Coursework: Software Engineering, Data Structures & Algorithms, Database Systems, Business Analytics & AI

## Experience

### Lockheed Martin - Space

Littleton, CO, Remote

#### Digital Transformation Intern

May 2023 – October 2023

- Interned on the Agile Technical Strategy team under Information Technology & Digital Engagement.
- Designed and developed the UI/UX of an internal Collaborative Data Environment web application that held over 1,000 engagements with small businesses and universities.
- Increased IT & DE website traffic by 6.3%.
- Leveraged machine learning models to aid senior engineers in uncovering anomalies in over 50 sensors on the Orion spacecraft (NumPy, Pandas, Scikit-learn).
- Used tools such as Angular, Typescript, REST APIs, Python, Jupyter Notebook, and Figma.
- Worked within a multidisciplinary team to integrate digital transformation processes like generative AI and internal databases.

### University of Florida - Academic Technology Labs

Gainesville, FL

#### Technology Consultant

August 2021 – Present

- Monitored computer labs and worked alongside UF Information Technology.
- Assisted lab users with hardware and software problems using Academic Technology Learning Space resources.
- Maintained and troubleshooted learning space hardware/software functionality and provided remote support through Privileged Access Management (BeyondTrust).

## Skills

- Technical skills: Java, C++, Angular, JavaScript/Typescript, HTML5, CSS/Bootstrap, JUnit, Python, Jupyter Notebook
- Familiar tools: React, REST APIs, Unity, Next.js, MongoDB, Node.js, SQL, Postman, JIRA, R Studio, C#, Matlab
- Cloud Computing: AWS
- UI/UX design: Figma
- Operating Systems: Linux, Microsoft Windows, MacOS
- Source and Version Control: Git, GitHub, GitLab
- Microsoft Suite: SharePoint, Excel, Word, PowerPoint, Project, Outlook

## Projects

- **LearnLink:** Collaborated on a full-stack dynamic web application that empowers users to explore a vast array of educational topics tailored to their interests (*Next.js, Typescript, MongoDB, REST API*)
  - Integrated a dynamic search functionality, enabling users to effortlessly find and explore educational content based on their specific interests and preferences.
  - Contributed to the enhancement of user engagement by implementing user-curated content features.
- **COVID-19 Analyst:** (*C++*)
  - Developed a data analysis program that sorts and presents 2020 worldwide COVID-19 data across 213 countries.
  - Reads over 53,000 data points from a CSV file containing raw worldwide COVID-19 data.
  - Runs algorithms merge sort and quick sort.
- **Custom Language Compiler:** (*Java, JUnit*)
  - Devised a Java-based compiler for a custom programming language that generates and manipulates images.
  - Constructed lexical and syntactic analyzers with code translation into Java for 26 abstract syntax types.
  - Conducted upwards of 350 unit tests using JUnit to ensure the reliability and functionality of the compile.