

Ziad N. Malik

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OBJECTIVE

Seeking challenging software development career/internship that offers opportunity to apply technical, analytical, communication, and teamwork skills towards an organization's success. Come in and create an impact on a team of developers while working and collaborating on a project that will be delivered as a product to a real audience of customers.

EDUCATION

Florida International University (F.I.U)

Miami, FL

Bachelor of Science in Computer Science (Software Design and Development Track)

Grad Date: December 2022

Minor: Mathematical Sciences

- Major GPA: **3.68/4.00**
- Florida Academic Scholars Scholarship

TECHNICAL SKILLS

- Programming Languages:** Python, SQL, C, Java, JavaScript, HTML, CSS, Swift, Dart, Typescript, C #
- Operating Systems:** Windows NT/ 2000/ XP/ Vista, Linux, Unix, macOS
- Database:** SQL Server, PostgreSQL Server
- Frameworks:** React.js, Gatsby.js, Spring Boot (Java), Sanity.io, SwiftUI, AJAX JavaScript, Flutter, Angular.TS

RELATED EXPERIENCE

LinkedIn: (<https://www.linkedin.com/in/ziad-malik-17b8a61b3>)

Mastercard

O'Fallon, MO Tech Hub

Software Engineering Intern (P & E, Simplify Commerce Team Alpha)

June 2022 – August 2022

- Worked on Developing a Feature Flag API for Mastercard's Simplify Commerce Add-On Service. This API was pushed into Testing Environments and was used to toggle on/off new Features that were released to production. An Angular UI was also Created to test functionality while making using of a PostgreSQL Database and various Plugins such as FF4J and Spock Testing Framework.
- Technologies used Included: Groovy, Java, Spring boot, Angular.TS, PostgreSQL, Spock Testing Framework.
- 10 Week internship that saw me contribute a service to a team that was **planned to be seen in production** by the company

Upsilon Pi Epsilon

Miami, FL

Technology Committee Member

Aug 2021 – Present

- Collaborate with Committee members to create, maintain, and innovate the Upsilon Pi Epsilon Web Application using a Gatsby.js, Sanity.io Stack. Currently, I am a member of the Back-end Team that works with Sanity.io ensuring that we create efficient and effective schemas to make web application reload times minimal.
- Collaborate with Committee members to create, maintain, and innovate the Shellhacks Florida Website as well using the React.js Front-end Framework.
- Upsilon Pi Epsilon (UPE) is the **largest student organization for technology at Florida International University (FIU)**.

PROJECT EXPERIENCE

Portfolio Link: (<https://github.com/ZiadMalik1>)

Software Engineering I Class

Miami, FL

Restful API's

May 2021 - Aug 2021

- Collaborated with a team of Students to design, implement, and create a Restful API using the Spring Boot Framework along with Spring Boot JPA and MySQL as the Database Layer.
- Used Java (OOP) to write the code of the API. Postman Software for Testing Purposes.
- Scrum was used as a Task management system to ensure the definite progress of the projects development.

Personal Projects

Miami, FL

Full Stack Web Application

May 2021 - Aug 2021

- Using the React.js front-end framework along with AJAX and the Spotify Developer API for back-end development, was able to create a full-stack web application that can be found on:
 - <https://ziadsapp.surge.sh>
- Allows for users to create custom playlists which can be saved to their personal Spotify app by searching for Music tracks based on:
 - Album
 - Artist
 - Genre

Personal Projects

Portfolio Page

May 2021 – July 2021

- Using basic HTML/CSS and Typescript, am currently developing a personal Portfolio Page which can be found at:
 - <https://zmalik.me>
 - Will Hold all past Projects and experiences to allow for potential Recruiters/Customers to get a sense of my skills and what I do.

Finance Portfolio Desktop Application

May 2022 –

- Making Use of the **React Electron Framework** as well as **SCSS** and **Axios**, I am currently creating a in Depth and complex application that uses **Web Sockets** and a Dedicated **REST API** show one their current standing when it comes to Stock Holdings. This App in the future will also make use of the Plaid API to track Bank Statements and Debt to really give a feel of your total Net Worth
 - Currently a private Repository on GitHub. This is due to security issues. If interested, please do not refrain from asking and I will be happy to share details and show the code.
 - My Most in Depth Project Thus far.

ADDITIONAL EXPERIENCE

Florida International University

Miami, FL

Mathematics – Teaching Assistant

December 2019 – Present

- Using Communication and Leadership Skills, have been a Teaching Assistant Since Freshman year for Mathematics Courses such as: Pre-Calculus, Trigonometry, Calculus
- Handled Office Hours where, students would come and ask questions about topics they were behind on. Handled Grading of Specific Assignments
- Efficiency in Mathematical Courses which some believe to be the foundation of Computer Science Data Structures and more.

Florida International University

Miami, FL

Computer Science – Research Assistant

September 2021 – Present

- Telecommunications Between Quadcopters: Testing Speeds and Behaviors of Multiple Node Placements of Quadcopters trying to find ways to make the processes more efficient and reliable. More can be found on the research section of my Portfolio Page: <https://zmalik.me>

HONORS & INVOLVEMENT

- Florida International University “Thinking and Communicating with Data” Badge
- Google Cloud “Create and Manage Cloud Resources” & “Google Cloud Essentials” Badges
- Dean’s List (4 semesters)
- Upsilon Pi Epsilon Honor Society Inductee (May 2022)