

# Davian Albarran

Watchung, NJ 07069 | 786-205-8840 | [albarrandavian@gmail.com](mailto:albarrandavian@gmail.com)  
[davianalbarran.github.io](https://davianalbarran.github.io) | [linkedin.com/in/davian-albarran](https://linkedin.com/in/davian-albarran)

## SUMMARY

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Recent Monmouth University grad with a B.S. in Software Engineering and double minor in Math and Computer Science. Currently following an entrepreneurial venture in the tech industry while seeking employment. Strengths would best be utilized in Full Stack or Back-End Software Engineering roles.

## EDUCATION

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### Monmouth University

Magna Cum Laude B.S. in Software Engineering  
with a double minor in Mathematics and  
Computer Science.

West Long Branch, NJ, USA

Cumulative GPA: 3.74

Graduation Date: May 2024

### Involvement:

#### Resident Assistant | Monmouth University Residential Life

Sep '23 – May '24

In charge of supporting ~200 residents and enforcing the housing rules in a team of 4. Developed 14 programs and weekly newsletters to foster community and diversity in our housing complex.

#### Volunteer Proctor | IEEE/ACM Club Hackathon

Feb '23

Aided other volunteers with administrating and proctoring a Hackathon event. Responsible for rounding up upper class high schoolers and discussing University-level Computer Science expectations, as well as insuring that there was no cheating and no technical issues during the competition.

## AWARDS

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Monmouth University Software Engineering Department's **Award for Academic Excellence**

Monmouth University **HawkTank 2024 First Place Winner**

Monmouth University **2022-2024 Dean's List**

Monmouth University's Department of Chemistry and Physics' **Physics Award**

## LANGUAGE PROFICIENCIES (Level: 1-3)

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Typescript (3) | MongoDB (3) | MySQL (3) | React (3) | Node.js (3) | Express.js (3) | AWS (3) | GoLang (2)  
Swift (2) | Python (2) | Rust (2) | C and C++ (2) | Java (2)

## EXPERIENCE

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### Founder and Co-CTO | ParkShark | West Long Branch, NJ

Sep '23 – Present

Oversees and contributes to the entirety of ParkShark's technical architecture, majorly focusing on the back-end services running in the cloud using AWS' suite of tools. This entails running and working with a codebase of around 10,000 lines utilizing Node.js, Express, Typescript, and various other languages such as GoLang and Swift for the microservices planned to be implemented.

### Full Stack Software Engineer Intern | MITRE | Shrewsbury, NJ

May '22 – Aug '23

Supported a web development team as a Full Stack Engineer by completing tickets on a Kanban Board for each Sprint working under an Agile philosophy. Utilized HTML, CSS, JavaScript+jQuery for creating views and Node.js + Express.js for backend functionality, as well as working with our MongoDB, MySQL, and AWS S3 databases. Transferred from full time to part time through the school year.

## PROJECTS

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### **ParkShark**

An innovation on parking lot activity tracking utilizing GPS and Bluetooth technologies. Presented to and won Monmouth University's 2024 entrepreneurship conference, "HawkTank." Currently seeking seed funding and planning the test phase of the launch

*Mobile App Development: Swift in Xcode, Kotlin in Android Studio*

*Backend: Node.js configured with TypeScript, Express.js, MySQL.*

*Embedded Device: C/C++ Code utilizing a custom proprietary SDK.*

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### **AmiStudio**

A take on Tamagotchi utilizing RPG stats with a multiplayer competitive aspect. This project was meant to showcase and progress my understanding of Rust as a back-end language.

*Backend: Tauri Rust Stack with Actix Web centralized server.*

*Frontend: React.js configured with Typescript.*

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### **Personal Website - [davianalbarran.github.io](https://davianalbarran.github.io)**

This is my personal website that I created for potential employers and connections in my network to easily see my accomplishments and easily access my projects. Give it a look!

*Frontend: React.js + TailwindCSS*

*Backend: AWS Lambda Function written in Go to provide a functional contact form at the bottom of the site.*

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