

# Kristian Michel

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Orlando, FL - Open to relocation

## EDUCATION

**University of Central Florida**  
*Bachelor of Science in Computer Science*  
GPA: 3.57

Orlando, FL  
Aug 2022 – December 2024

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, C#, JavaScript, TypeScript, HTML, CSS, SQL, PHP, Ruby, Scala, Clojure, Perl, Elixir, Shell  
**Frameworks:** React.js, Astro, Node.js, Vue.js, Angular.js, Vite, Discord.js, Next.js, Express.js, PostgreSQL, MySQL, Prisma, GraphQL, Tailwind CSS, Bootstrap, Cron, WordPress, REST, jQuery, Selenium, Azure, Appium, AJAX, AWS, OpenAI API, Django  
**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Eclipse, Docker, Kubernetes, Vercel, AWS, Apollo, Jira, Unix/Linux, VxWorks  
**Relevant Coursework:** Object Oriented Programming, Data Structures & Algorithms 1 & 2, Computer Architecture

## PROJECTS

**World RPG Discord Bot** | *JavaScript, Discord.js, Node.js, Prisma GraphQL, Cron, MySQL* **December 2022**

- Developed an innovative Discord Bot using Discord.js, Node.js, and JavaScript to simulate a turn-based, grand strategy war-game for up to 10 players, allowing them to create nations, compete for land, and manage resources through a MySQL database with real-time updates using CronJob implementation.
- Utilized Prisma as the ORM tool to optimize database interactions, ensuring high-performance and data integrity, while demonstrating proficiency in JavaScript to create an immersive gaming experience within the Discord platform.

**Space Tycoon** | *C#, Unity*

**Armed Forces Game Jam**

- Created an immersive space station tycoon game in Unity and C#, collaborating with a team during a game jam.
- Emphasized strategic resource management and team coordination through grid-based object placement, physics raycast, and vector math for realistic object interactions and accurate 3D rotation.

**MajorMentor** | *Astro, React, Tailwind, Django, CockroachDB, TypeScript, Python, OpenAI API, AWS* **July 2023**

- Engineered a robust backend using Django and OpenAI API for [majormentorucf.com](https://majormentorucf.com), a web application that generates customized academic guidance for students in the form of downloadable PDFs.
- Constructed an intuitive and responsive frontend using Astro, React, and Tailwind CSS, and successfully deployed the website using AWS Lightsail, ensuring seamless user experience and reliable accessibility.

**Pepsi Website Recreation** | *Vite, React, Node, Tailwind, Javascript, Express.js, PostgreSQL*

**July 2023**

- Developed a responsive and visually appealing Pepsi website replica using React.js, Vite, and Tailwind CSS, showcasing strong front-end development skills.
- Designed and implemented a powerful RESTful backend infrastructure for the recreated Pepsi website, utilizing Express.js and PostgreSQL. Developed and maintained a robust set of REST APIs that seamlessly handled data retrieval, manipulation, and storage, ensuring efficient communication between the front-end and the database.

## EXPERIENCE

**Software Engineer CWEP**

May 2023 - Present

*Lockheed Martin*

*Orlando, FL*

- Achieved increase in efficiency on the aiming system for Apache helicopters' missiles by simulating aircraft in different circumstances.
- Revitalized essential software by using C++ to continue development on GUI software that will connect to Apache hardware's embedded code and return critical data.

**Full Stack Developer**

May 2023 - Present

*KnightHacks*

*Orlando, FL*

- Redesigned KnightHacks' website in **Tailwind CSS** and **React.js** to reflect latest information.
- Integrated feature to allow companies to organize hackathons by testing and developing backend with **Apollo GraphQL**.