

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

Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms 1 & 2, Computer Architecture

PROJECTS

Overtone | *Next, React, Tailwind, RadixUI, Lambda, Cognito, OpenAI, Polly, DynamoDB, Go, Docker, AWS* **2023**

- Led a team of developers to create a user-friendly text-to-speech platform, leveraging AWS Polly to empower users with customizable voice outputs, including voice type selections, pitch modifications, and speed adjustments; built a polished frontend using React, Next.js, RadixUI, and Tailwind CSS.
- Coded a scalable backend using Go, incorporating AWS Lambda, Cognito, and DynamoDB to ensure scalability and security; seamlessly embedded an interactive AI chatbot powered by OpenAI, enhancing user engagement and conversation quality.

MajorMentor | *Astro, React, Tailwind, Django, CockroachDB, TypeScript, Nginx, OpenAI, AWS Lightsail* **2023**

- Engineered a robust backend using Django and OpenAI API for 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* **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.

World RPG Discord Bot | *JavaScript, Discord.js, Node, Prisma GraphQL, Cron, mySQL* **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.

EXPERIENCE

Software Engineer CWEP

Lockheed Martin

May 2023 - Present

Orlando, FL

- Developed a data reduction tool to extract and analyze BIT Code errors sent from the aircraft, subsequently generating detailed reports on the Apache helicopter via Excel files.
- Revitalized essential software using **C++** to update an Aircraft Simulator GUI that will connect to the Apache hardware's embedded code and return critical data.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, JavaScript, TypeScript, HTML, CSS, SQL, PHP, Ruby, Clojure, Elixir, Shell, Go

Frameworks: React, Node, Vue, Angular, Vite, Next Nuxt, Express, PostgreSQL, mySQL, Prisma, GraphQL, Tailwind, Bootstrap, jQuery, Azure, AJAX, OpenAI, Django, Nginx, AWS Lambda, AWS Cognito, AWS DynamoDB

Developer Tools: Git, Visual Studio, PyCharm, Eclipse, Docker, Kubernetes, Vercel, AWS, Apollo, Jira, Unix/Linux, VxWorks, Unity