Hayden Sandler

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EDUCATION

University of Central Florida   Orlando, FL
Bachelor of Science in Computer Science, Minor in Intelligent Robotic Systems   *Expected December 2025*
- Orginizations: KnightHacks Mentor

EXPERIENCE

Capital One   June 2025 – August 2025
Software Engineering Intern
- Working on the Graffiti team within card tech to update the way IMBs are being generated (using Java, Python, and Go)

Guest Media   May 2024 – December 2024
Software Engineering Intern
- Collaborated with a small development team of 5 developers operating within an agile framework to develop various contracted projects
- Created React and Next.js components for a variety of different contracted projects to improve the user experience and provide data on potential purchases
- Implemented authentication, using Kinde, to provide the admins of a local Hair Salon with a custom dashboard for viewing attraction metrics

PROJECTS

SensAI | *JavaScript, React, TensorFlow, Tesseract*
- Placed 3rd overall at KnightHacks 2024 against 100+ participants with a team of 4 developers
- Developed a computer vision project using TensorFlow's Coco-SSD model to identify objects to assist the visually impaired with navigating around the objects in the user's path
- Utilized Tesseract and ServiceNow's ExecuteNowLLM API to scan text and read it to the users
- Created a React hook that uses the Web Speech API to take in commands that allow users to switch modes and give audio cues to guide users based on the location of detected objects

Scuparadise | *JavaScript, TypeScript, React, React Native, Docker, Express, Node, MongoDB, AWS*
- Worked with a team of 7 developers to create a full-stack web application and mobile app using React/React Native for the front-end, Express for the API, and MongoDB for the database
- Designed feature for users to view, create, rate, and review scuba diving locations
- Utilized a 3D globe interface to allow users to mark and find scuba diving spots worldwide, with real-time synchronization across all users, and populated the globe with 4093 distinct locations

OceanSide Contact Manager | *JavaScript, jQuery, HTML, CSS, MySQL, SwaggerHub*
- Designed and implemented a contact manager application that allows users to create and manage accounts with a team of 5 developers
- Designed the website using a Figma mockup and used a MySQL database hosted on Digital Ocean for data storage
- Developed an API using PHP and SwaggerHub to connect the website with the database

AuthVista | *Java, Servlets, JavaServer Pages(JSP), Java Database Connectivity(JDBC), Tomcat, MySQL, HTML*
- Developed a secure three-tier distributed web application using Java Servlets and JSP, hosted on a Tomcat server, with role-based user authentication and SQL query functionality.
- Designed and implemented a relational database schema with enforced referential integrity for managing suppliers, parts, jobs, and shipments, leveraging MySQL and JDBC for seamless database connectivity.
- Developed a secure authentication system and dynamic user redirection based on their access roles

TECHNICAL SKILLS

Languages: Java, Python, Go, Typescript, Javascript, C, HTML/CSS
Frameworks: Spring, Gin, React.js, Next.js, Node.js, Express.js, Tailwind, jQuery, React Native
Technologies: Relational Databases, Non-Relational Databases, Vector Databases, Postman, Hoppscotch, AWS, Figma, Docker, Kubernetes, Langchain, Jupyter Notebook