Alex Caplen

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EDUCATION

Florida State University, Tallahassee, FL
Bachelor of Science in Information Technology   **May 2025**
Minor in Computer Science

PROFESSIONAL EXPERIENCE

Strategic Technology Intern   **May 2024 - ongoing**
HNTB, Tallahassee, FL
- Built a database to help track all deployed technologies by the florida department of transportation (FDOT) using azure data studio
- Assisted in the front end development for both the private web application to be used by FDOT employees to track and administer technologies deployed across all state controlled roadways as well as the public application that provides the public with information on the different technologies utilized by the state
- Built multiple SharePoint web applications for internal use to track ongoing projects and the Onboarding process for new team members using Power BI, Power Apps, Power Automate, and Power Fx
- Automated the data entry process for a database that tracked all publicly available EV charging stations in the state of florida using Snowflake and PowerShell scripting

United States Department of State Intern   **Sep. 2023 - May 2024**
Virtual Student Federal Service Program for the US Embassy, London, UK
- Composed a detailed development plan to create an AI power application to summarize and generate diplomatic messages for US embassies.
- Developed the front end of the prototype diplomatic messages application in React.
- Assisted in the initial steps of developing a system to track shipments of personal belongings for members of the foreign service moving abroad.
- Collaborated with a team of students from across the country to support the London team.

Monitor Technician   **Oct. 2021 - May 2022**
Tallahassee Memorial Hospital, Tallahassee, FL
- Monitored current EKG rhythms and cameras in the patient rooms to guarantee patient safety.
- Assessed each patient's daily EKG histories, helping to ensure there were no concerning features.
- Actively communicated with patients' care team to update them on the status of the patient at shift exchanges.
- Performed the duties of the floor secretary after visitation hours.

Student Assistant   **Sep. 2020 – May 2021**
Orlando Regional Medical Center, Orlando, FL
- Shadowed healthcare professionals throughout many departments of the hospital.
- Trained in performance of EKG testing and analysis of results.
- Supported staff members through assessment of patients afflicted with COVID-19 in isolation rooms.

TECHNICAL SKILLS

- Application Development: Java, Python, PHP, Angular, Bootstrap, React, JavaScript, TypeScript, Bash, PowerShell, R, Android Studio, and GDScript
- Database Management: MySQL, Transact-SQL, SQL Server Management Studio, Azure Data Studio, MySQL Workbench and Snowflake
- Project Management Software: Jira, Trello, and Azure DevOps
- SharePoint Development (Power BI, Power Automate, Power Apps, Power Fx)