

# SEAN PREVITY

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## EXPERIENCE

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### AI Tester, Outlier

April 2025 — Present

- Evaluated AI-generated code and provided descriptive feedback.
- Designed test cases to validate code functionality and efficiency.

## EDUCATION

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### University of Central Florida, Computer Science, Bachelors of Science

2021 — Present

- Member of the Hack@UCF Collegiate Cyber Defense Club
- GPA: 3.58

## PROJECTS

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### Pegaus Parking Website

- MERN application (MongoDB, Express.js, React, Node.js) for university parking coordination.
- Deployed the website to AWS with HTTPS encryption via Let's Encrypt.
- Built a modular Express.js backend using Mongoose for scalable data modeling and API structure.
- Integrated Google Maps APIs, including Routes API, to calculate real-time directions and distances.
- Utilized GitHub for development.

### France Travel Guide Website

- Full-stack app using React (Context API, hooks) and Flask (Blueprints, SQLAlchemy).
- Populated and enhanced a 37,000-row PostgreSQL 'towns' table by importing INSEE shapefiles and adding coordinates for each commune.
- Utilized the OpenAI API for town descriptions and Wikipedia MediaWiki API for photos.
- Integrated an interactive Map feature through Google Maps API.
- Bilingual language UI support (French and English) using React Context.
- Cached AI descriptions in a table (with automatic invalidation on errors) to cut API calls and latency.

### University Event Manager

- Event management platform using React, Node.js, and Express.
- Designed and implemented RESTful APIs with Express.js and JWT-based authentication.
- Utilized MySQL as the relational database to manage users, events, RSOs, and comments.
- Implemented role-based access control (RBAC) to differentiate event visibility based on RSO membership and university affiliation.

## SKILLS

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- Code: Java, Python, React (hooks), Javascript/TypeScript, NodeJS, HTML, CSS, Flask.
- Tools: Docker, GitHub, MySQL, PostgreSQL, AWS, Postman/SwaggerHub, RESTful APIs.
- Proficiency in Data Structures and Algorithms.
- Strong problem solving skills.
- Great understanding of AI/ML concepts and HuggingFace libraries.