Jacob Hoppenstedt

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EDUCATION

University of Florida | GPA: 3.86   **May 2026**

Bachelor of Science in Computer Science, Minors in Economics and Digital Arts and Sciences

- Relevant Courses: Data Structures and Algorithms, Programming Fundamentals, Discrete Mathematics, Software Engineering, Operating Systems

EXPERIENCE

Publix Super Markets   **May 2024 – July 2024**

Software Engineer Intern   *Lakeland, FL*

- Developed an automated testing platform with Robot Framework, creating 100+ test cases in C#, SQL, and Python, boosting test efficiency by **30%**.
- Collaborated with a Scrum team of developers and a project manager to add new features and resolve 20+ bugs, enhancing stability and functionality.
- Created a comprehensive onboarding manual for new teams to streamline integration with the testing framework.
- Developed custom Python utilities and SQL queries, optimizing tasks for new testers using the framework.

University of Florida Classics Department   **January 2024 – Present**

AI Humanities Research Assistant   *Gainesville, FL*

- Applied AI-enhanced analysis to Ancient Greek and Latin texts, supporting research into Greco-Roman cultures.
- Engineered a web scraping tool using Python to collect and process Ancient Greek word forms, integrating the dataset into the research website for enhanced accessibility.
- Developed a Python-based adjective generation chart for AI analysis, used on a dataset of **10,000+** texts.

PROJECTS

Financial Analytics Platform | *React, Node.js, MongoDB* (github.com/Drewski2222/Profiteer)   **Spring 2024**

- Spearheaded development of a MERN stack application to visualize users' spending history and savings goals, enhancing financial insights and user engagement.
- Conducted daily Scrum meetings to facilitate team collaboration and sprint planning.
- Enhanced the website's front-end UI using JavaScript and D3.js, contributing to a **20% increase** in user satisfaction.

Meal Planner App | *Python, HTML, CSS, Git* (github.com/JacobHoppenstedt/ImHungry)   **Fall 2023**

- Engineered a user-friendly platform to address meal indecision and promote healthy home-cooked meals, featuring a database of over **100,000 datapoints** and **10,000 recipes** with ingredient-based search and sorting options.
- Enriched user experience using Python libraries for efficient image handling and web scraping.

AI Workout Planner | *Flutter, Firebase, Postman, Git* (github.com/d-dovale/Sweat-Smart)   **Summer 2023**

- Developed a personalized workout app on iOS and Android using Flutter.
- Integrated ChatGPT API for customized routines based on user preferences.
- Carried out full-stack development and team collaboration to deliver the project within a 2-month timeline.
- Enhanced user data storage and retrieval with Firebase and SharedPreferences, improving retrieval speed **by 15%**.

LEADERSHIP

Secretary, Social Lead | *UF Association for Computing Machinery*   **August 2023 – Present**

- Lead innovative initiatives to cultivate a vibrant social atmosphere, fostering strong member connections and enhancing the experience of the club's **2000+ members**.
- Facilitated member engagement by organizing and promoting workshops, events, and guest speaker sessions, resulting in a **40% increase** in event participation.
- Organized an internship applyathon in collaboration with campus engineering organizations, resulting in **over a dozen** members securing internships.

SKILLS

Languages: Python, C/C++, Java, HTML/CSS, JavaScript, TypeScript, C#, SQL

Frameworks: Node.js, Spring Boot, React, React Native, Express,