

# 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](https://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](https://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](https://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, Tailwind