

Sam H. Forstot

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EDUCATION

University of Florida, Gainesville, FL

May 2025

Bachelor of Science in Computer Science | Minor in Business Administration

GPA: 3.74/4.00

Coursework: Data Structures & Algorithms (C++), Software Engineering (Go, Angular), Databases (SQL), Machine Learning (Python), Operating Systems (C++), Programming Language Concepts (Java), User Experience Design

EXPERIENCE

InvoiceCloud – Software Development Intern

June 2024 – August 2024

- Implemented behavior-driven development practices using Gherkin/Cucumber, C#, and Selenium resulting in 20 automated user scenarios to ensure the quality and functionality of the user interface and SOAP API operations
- Built customizable biller options in company software utilizing VB and .NET Framework, empowering over 2,100 billers to tailor to payer experience and improve user satisfaction
- Contributed to Agile workflows by attending daily standups, backlog refinements, and sprint retrospectives, with the Quality Engineering and Product Engineering scrum teams

S3 BIM Tech – Web Development Intern

July 2024 – Present

- Structured and deployed a user authentication portal with JSON Web Tokens in React and Spring Boot, enabling secure user sessions and safeguarding requests within the software
- Participated in frontend design discussions, incorporating stakeholder feedback to refine user experience and align with business goals

eDerm Systems – Software Development Intern

May 2023 – August 2023

- Employed C# to automate the generation of unit tests in functional code, effectively cutting down on test-driven-development time by 20% company-wide
- Optimized site functionality by addressing UI enhancements and bug fixes, such as removing redundant elements, ensuring dynamic content refresh, and improving search interactions using JavaScript, HTML, and JIRA

PROJECTS

Fantasy Sports App – React, JavaScript, C#, .NET, Selenium, Azure, Tailwind

July 2024 – Present

- Constructed a full stack web application offering a customizable experience to fantasy sports leagues enabling league managers to configure rules for games, messaging, transactions, drafts and scouting
- Crafted a dynamic user interface using React and Tailwind, delivering clean, organized designs that enable users to effortlessly navigate through the site's features and interact with other league participants
- Integrated HTTP requests using ASP.NET (C#) allowing the API to communicate to a SQL database, ensuring secure user authentication and real-time interactions via SignalR

Gator Path Tracker – Angular, Python, Firebase, OpenAI API

August 2023 – August 2024

- Engineered a full stack web application with a teammate, enabling the creation of personalized student course schedules using extensive professor and class ratings from two years of student inputs
- Utilized the OpenAI API to generate summaries and ratings from online professor reviews, which were scraped and formatted using Python scripts, and then displayed on the course ratings page to aid students in schedule decisions

MealDealz – Golang, Typescript, SQL, Angular, Python, Selenium

January 2023 – December 2023

- Built a full-stack web application as part of an Agile team to streamline cooking and shopping by identifying items on sale and combining user-inputted pantries to suggest recipes, saving users money and time
- Created a Golang RESTful API to support CRUD operations, ensuring seamless integration and communication between the backend and Angular frontend
- Automated Python scripts on a virtual machine to periodically scrape weekly grocery sales using Selenium and BeautifulSoup, storing the data in a SQL server managed within Docker containers

TECHNICAL SKILLS

Programming Languages: C++, Java, C#, Python, Go, TypeScript, JavaScript, SQL

Technologies/Tools: JIRA, Angular, HTML/CSS, Git, GitHub, Microsoft Azure, React, MS Suite, Photoshop

LEADERSHIP & INVOLVEMENT

Theta Tau Professional Engineering Organization

January 2022 – Present

President, Executive Board Secretary, Benton Engineering Council Representative

- Led a chapter room of 100+ members in weekly meetings to ensure the seamless operation of the organization