

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, Software Engineering, Databases, Intro to Machine Learning, Operating Systems, Computer Organization, Programming Fundamentals, Programming Language Concepts

TECHNICAL SKILLS

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

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

EXPERIENCE

InvoiceCloud

June 2024 – Present

Software Development Intern

- Implemented behavior-driven development (BDD) practices using Gherkin/Cucumber, C#, and Selenium resulting in 20 automated scenarios to ensure the quality and functionality of the user interface and SOAP API operations
- Engaged in Agile workflow attending weekly standups and communicating goals in the Quality Engineering team

S3 BIM Tech

June 2024 – Present

Web Development Intern

- Creating the user authentication portal, implementing JSON web tokens, to an app that enables users to build and edit construction taxonomy from the Build Smart Data Dictionary using REACT and Spring Boot

eDerm Systems

May 2023 – August 2023

Software Development Intern

- Employed C# to automate the generation of unit tests in functional code, effectively cutting down on test-driven-development time by 20% company-wide
- Utilized JIRA, Javascript, and HTML to develop enhancements and bug fixes for eDermX, an electronic medical record and scheduling software used at dermatology practices nationally

PROJECTS

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

January 2023 – December 2023

- Developed a full stack web application as part of an Agile team, focusing on streamlining cooking and grocery shopping by integrating sale items with users' pantry inventories and suggesting easy-to-make recipes
- Implemented a Golang-based custom RESTful API, enabling concurrent computation and integration with essential HTTP methods, connecting effectively to a SQL server and database hosted on Microsoft Azure
- Deployed custom Python scripts to run on a virtual machine, scraping weekly grocery sales from various chain grocery store websites using Selenium and BeautifulSoup, and stored the data in a SQL server

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

August 2023 - Present

- Engineered a full stack web application with a teammate, enabling the creation of personalized student schedules using extensive professor and class ratings from two years of student inputs
- Utilized the ChatGPT API to grade subjective data scraped from Reddit to further contribute to overall ratings
- Developed 5 Python scripts to scrape class and professor reviews from the University of Florida

Direct Replay Information Gatherer (D.R.I.G) – C++, .NET

November 2022 – December 2022

- Developed a .NET application and UI to analyze 300,000+ NBA statistics, using C++ to implement and compare quick sort and merge sort algorithms to identify leaders by time or team

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
- Elected as the focal point for communication between UF and national representatives in monthly status meetings
- Communicated with other engineering organizations to deepen campus connections and chapter room involvement