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: **3.77**/4.00
Coursework: Data Structures & Algorithms, Software Engineering, Databases, Operating Systems, Computer Organization, Programming Fundamentals, Programming Language Concepts

TECHNICAL SKILLS

Programming Languages: *Expert:* C++, Java; *Proficient:* MATLAB, C#, Python, Golang; *Familiar:* SQL
Technologies/Tools: JIRA, Angular, HTML/CSS, Git, GitHub, Microsoft Azure, Microsoft Suite, Photoshop

EXPERIENCE

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
- Experienced an agile workflow attending daily standups and communicating daily goals with the development team

University of Jacksonville Basketball Management Team **May 2021 - Present**
Graphic Design Intern
- Utilized Adobe Photoshop to develop over 20 statistical graphics to effectively recruit athletes and evaluate staff
- Communicated with coaches and staff to positively impact the program and bring in potential recruits

PROJECTS

MealDealz – Golang, Typescript, SQL, Angular, Python, Selenium **January 2023 - Present**
- 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 an application to display information based on around 300,000 individual stat lines from the National Basketball Association from the last 3 years to find the leader of a specific statistic depending on the time or team
- Implemented quick sort and merge sort algorithms using C++ and a .NET framework to create a user interface

LEADERSHIP & INVOLVEMENT

Theta Tau Professional Engineering Organization **January 2022 – Present**
President (December 2023 – May 2024)
- Led a chapter room of over 100 members towards each of their personal, professional, and social ambitions
- Organized and conducted weekly meetings to ensure the distribution of information amongst members

Executive Board Secretary (May 2023 – November 2023)
- Aided in the distribution of information and opportunities for all members while keeping track of event dates and

Benton Engineering Council Representative (December 2022 – May 2023)
- Communicated with other engineering organizations to deepen campus connections and chapter room involvement