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: **3.72**/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: Angular, HTML/CSS, Git, GitHub, Microsoft Azure

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 as an issue-tracking system to develop enhancements and bug fixes for eDermX, an electronic medical record and scheduling software used at dermatology practices nationally, in JavaScript and HTML
- 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
- Developed statistical graphics using Adobe Photoshop which were critical for staff evaluation and recruitment
- Communicated with coaches and staff to positively portray the program and bring in potential recruits

PROJECTS

MealDealz – Golang, Typescript, SQL, Angular **January 2023 - Present**
- Collaborated on a team using agile workflow to deploy an app that streamlines cooking and grocery shopping
- Crafted an intuitive user interface utilizing HTML, CSS, and TypeScript within the Angular framework
- Developed a custom RESTful API in Golang which concurrently performs basic computation as well as utilizes essential HTTP methods to interface with a Microsoft Azure-hosted SQL server and database
- Wrote Python scripts to run within a virtual machine and periodically scrape weekly grocery sales from various chain grocery story websites with Selenium and BeautifulSoup, then store the gathered data in a SQL server

Gator Path Tracker – Angular, Python, Firebase **August 2023 - Present**
- Cooperated with a teammate to build an app that allows students to create personalized schedules based on data relating to professor and class ratings for the past 2 years
- Utilized patterns from the University of Florida's semester plans and the ChatGPT API to answer specific questions
- Developed Python scripts to scrape class and professor reviews from the University of Florida for the last 2 years

Direct Replay Information Gatherer (D.R.I.G) – C++ **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
- 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)
- Planned and led weekly meetings for over 100 members, ensuring all essential information was distributed timely
Executive Board Secretary (May 2023 – November 2023)
- Maintained communications within the organization to keep all members informed on events and opportunities
Benton Engineering Council Representative (December 2022 – May 2023)
- Attended meetings and communicate with other engineering organizations to deepen campus connections