Amanda Smith

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EDUCATION

UNIVERSITY OF FLORIDA, GAINESVILLE, FL **EXPECTED GRADUATION: SPRING 2025**
BACHELOR OF SCIENCE COMPUTER SCIENCE **GPA: 3.78/4.0**
Certificate in Artificial Intelligence Fundamentals and Applications
Coursework: Data Structures and Algorithms, Object Oriented Programming, Artificial Intelligence Fundamentals, Computer Organization, Programming Language Concepts, Algorithm Abstraction and Design, Natural Language Processing, Introduction & Enterprise Software Engineering, Operating systems, Computer Networking Fundamentals, Introduction to Machine Learning

WORK EXPERIENCE

Wells Fargo | San Francisco, CA | Technology Intern **June 2024 - Present**
- Built a Java application using **Spring Boot**, integrating **Swagger UI** and **OpenAPI 3**, designed to statically retrieve and manage customer data and payment scheduling information from APIs, allowing for seamless interaction with critical financial processes
- Integrated **AB Initio** and **Talend** into handling data migration to **MongoDB**, optimizing ETL capabilities for large scale and accuracy

University of Florida's AI^2 Center | Gainesville, FL | Student Assistant Web Developer **Oct 2023 - Present**
- Managed web development initiatives at the AI^2 Center, leveraging **Terminal4** to frequently update features and embed custom **HTML** code, significantly enhancing site functionality and user engagement by 40%

Aptiv | Troy, MI | Software Development Engineering Intern **June 2023 - Aug 2023**
- Developed software for Stellantis using **Visual Basic (VBA)**, integrating 200+ data elements into the ECM system, structuring into a customer quote format maximizing profit and ensuring 100% accuracy, reducing the time to populate quote sheets by up to 2 hours
- Designed a SQL database using **Microsoft SQL Server** for vehicle component data, improving profit analysis and component price history lookup

Sunrise Day Camp | Long Island, NY | Head of STEAM and Coding **June 2020 - Aug 2022**
- Designed a summer course with immersive STEAM games and coding lessons to 50+ children affected by pediatric cancer
- Crafted a unique online curriculum and taught programming skills including Scratch, **HTML, CSS, and JavaScript**

INVOLVEMENT & LEADERSHIP

Dream Team Engineering - Software Developer, Captain of Air Embolism Detection Team **Jan 2022 - Present**
- Led a team of 4 in collaboration with the CSSALT lab, achieving an improvement in embolism detection accuracy by developing a **Python algorithm** that automated the detection of air embolisms using a precordial Doppler through sound frequency analysis

Rewriting the Code (RTC) - Intern, Peer Leader **Jul 2022 - Dec 2023**
- Collaborated with a team of 4 peer leaders to reflect and amplify the voices and values of the 18,000+ members of RTC
- Designed a 9-week technical project initiative called Code2Gether, pairing 100+ members to develop skills and technical experiences

Women In Computer Science Engineering - Outreach Committee Member **Sept 2021 - Aug 2023**
- Coordinated a code-a-thon for 60 local high school students, engaging 50% more participants and fostering an interest in coding
- Generated lessons alongside two peers and taught introductory **web development** skills to 10 local high school students

Alpha Epsilon Phi Sorority Alpha Tau Chapter - Service Director Chair **Sept 2021 - May 2023**
- Launched bi-monthly community service events, promoting philanthropic efforts, resulting in a 30% increase in volunteer participation

PROJECTS

VLE Intervention Research, Computational Research Group (Python, Pandas, Scikit-Learn, Matplotlib) **March 2024 - Present**
- Predicted student performance in computer science courses with 78% accuracy using **multinomial logistic regression**, successfully integrating factors such as GPA, gender, and prior programming experience to enhance real-time intervention strategies

Care Connect, Dream Team Engineering (React, Node.js, Express, SQL) **Jan 2024 - Present**
- Implemented a search algorithm to filter through a **SQL database** with 93 available resources to display user-specific resource matches for the Equal Access Clinic volunteers to distribute to patients, resulting in a quick and efficient distribution

Stroke Prediction Algorithm (Python, Pandas, *S*cikit-learn, GridSearchCV) **Jan 2024 - April 2024**
- Engineered and optimized prediction models (**Random Forest, SVM, Logistic Regression**) to achieve 88% accuracy in stroke prediction based on lifestyle risks, utilizing SMOTE for class balance and 10-fold cross-validation for enhanced reliability

JAM. Social Media Web Application (*Golang, ReactTS, MySQL, Fiber*) **Jan 2023 - May 2023**
- Collaborated with three peers to make a music based social media platform implementing the Spotify Web API to enable users to search for their song of the day to share with friends. Leveraged MySQL database for user authentication and data connection

New York Airbnb Finder *(C++)* **Dec 2022**
- Devised a program with two team members that took user input for price and location preference to create a custom hash and search a Kaggle dataset of over 100,000 data points of Airbnbs to output the top 10 matches for Airbnbs

TECHNICAL SKILLS

- **Programming Languages** C++, Java, Python, JavaScript, C, HTML, CSS, Dart, Golang, Visual Basic for Applications (VBA), SQL
- **Software Technologies** Git, MySQL, MongoDB, React, Microsoft SQL Server, Figma, Cypress, Matplotlib, Pandas, NumPy, Jupyter

HONORS/AWARDS: University Scholars Program AI Scholar (2024-25), Grace Hopper Celebration '23 Scholarship Recipient (RTC), Kode with Klossy Scholar (2020), Captain of the semester Fall 2023 (Dream Team Engineering)