SAMMY BEARD

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GitHub: https://github.com/sam8beard
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EDUCATION

University of Georgia, **School of Computing**   Athens, GA
GPA: 3.81/4.00
Bachelor of Science in Computer Science   Expected Graduation: May 2025
Minor in Cognitive Science
Certificate in Applied Data Science
Honors / Awards: Zell Miller Scholarship, UGA Presidential Scholar

PROFESSIONAL EXPERIENCE

402d SWEG – U.S. Department of Defense, Robins Air Force Base   Warner Robins, GA
Software Engineering Intern – Secret Clearance   June 2024 – July 2024
- Led development of an in-house project management tool to track metrics and sprint/scrum operations for over 130 engineers and more than 3 on-going projects
- Utilized Scrum and AGILE principles to manage and streamline development processes, ensuring efficient and iterative project progress
- Designed and managed relational databases using PostgreSQL and Docker for containerization, ensuring robust data storage and retrieval for project needs and scalability

Division of Academic Enhancement (D.A.E.)   Athens, GA
Computer Science Tutor   January 2023 – February 2024
- Offered free tutoring through the university and assisted peers in understanding computer science course material as well as improving their academic performance through one-on-one tutoring sessions
- Developed and implemented study strategies and provided feedback on assignments and exams to improve overall understanding and retention of material

PROJECT EXPERIENCE

GlobaLink - Devpost
UGAHacks9   February 2024
- Developed the backend for an immigrant networking and mentorship platform using MongoDB and PyMongo in an effort to match mentors to mentees based on common attributes
- Placed 2nd in UGAHacks9 Best Overall out of over 110 submissions
- Gained further experience with Python, database management, and connecting frontend to backend to make a fullstack application

SAVY - GitHub
- Developed an E-commerce website that allows for community trading, product posting, and purchasing
- Used MongoDB to store products and product information for database and CRUD operations
- Utilized Mongoose.js and Express.js for Backend, JWT for Authentication, and React for Frontend

CAMPUS INVOLVEMENT

CodeHub UGA   Athens, GA
Vice President, Director of Learn Track   August 2022 - Present
- Directly taught over 50 university students Python, Java, HTML, CSS, and Java Script
- Created a lesson plan to teach students in live time lectures using Jupyter Notebook to emphasize clarity, memorability, and personalized learning experience

RELEVANT COURSEWORK

- Data Structures, Algorithms, Web Programming, Database Management
- Data Science I, Computer Networks, Computer Architecture, Software Development

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, C, HTML, CSS, JavaScript, SQL
- **Operating Systems**: Windows, Linux/UNIX, MacOS
- **Frameworks / Libraries:** React, JavaFX, Node.js, Mongoose, PyMongo, Flask, SQLAlchemy, Bootstrap, Docker
- **Software**: Microsoft Office, VSCode, Emacs, Git, Jira, Figma, Miro
- **Databases:** MongoDB, MySQL, PostgreSQL, SQLite
- **Other Skills:** Version Control, Scrum, AGILE, Public Speaking, API's