Zach Waters

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Objective

Entry-level position requiring technical problem-solving and computer science skills.

Education

M.S. COMPUTER SCIENCE | EXPECTED DEC 2022 | GEORGIA INSTITUTE OF TECHNOLOGY

· Continuing education with evening and weekend classes

B.S. COMPUTER SCIENCE | DEC 2019 | GEORGIA INSTITUTE OF TECHNOLOGY

· GPA: 3.25 / 4.00

Projects

AIRSPACE ALERT SYSTEM

· Led a team that worked with Honeywell to create a web-based application and real-time database that would gather, parse, store, and display government airspace alerts for aircraft pilots
· Implemented front-end functionality through JavaScript and Node.js with Socket.IO and PostgreSQL for back-end client/server functionality

URBAN FARMING DATABASE SYSTEM

· Created a web-based application and MySQL database that stores locations, property usage, and ownership information on gardens, farms, and orchards in the Atlanta area
· Utilized Java and SQL programming to compile and organize data for faster analysis

HOMELESS HELPER

· Teamed with SocialGood to build an Android mobile application and database that allowed the homeless community to locate nearby shelters that best suited their individual needs
· Defined the software architecture and feature roadmap

MEDICATION ALERT

· Led project team to develop an Android mobile application with a web-based interface to remind users to take their unique medication at prescribed times
· Developed complementary website, videos, and slide presentation advertising the product

Skills

TECHNICAL

· Proficient in Java, C, C#, HTML, Python, Eclipse, MATLAB, R, SQL, Android Design Studio, GitHub, and Microsoft Office applications
· Software design, development, testing, and debugging utilizing Agile and Scrum methodology
· Assess requirements, assign tasks, develop sprint schedules, and successfully complete work on time

INTERPERSONAL

· Innovative, quick learner able to follow instructions and work alone or in teams in fast paced, high pressure environments
· Friendly, industrious, and detail oriented with a strong desire to exceed expectations