David Williford

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Education

East Carolina University   May 2024

Bachelor of Science - Computer Science

- Member of ACM (Association of Computing Machinery)
- Dean's List recipient
- 3.6 GPA

Experience

Software Engineer Intern   Nov 2021 - Nov 2022

Autonomic Solutions

- Developed full stack web applications using Angular, Java Spring Boot, and AWS within a realistic team setting
- Worked on tasks including Docker deployment, user authentication, REST APIs, cloud storage, kubernetes and CI/CD pipelines

Computer Science Intern   Feb 2023 - Present

Rise29

- Assisted local small businesses in software development, automation and cloud infrastructure
- Built and deployed applications using Python, React, PHP, Shopify, React Native, PostgreSQL, and AWS
- Working alongside entrepreneurs has made me well-rounded; combining social skills, business ideas and development

Personal Projects

BGC Web Application

- Full stack web application used to host a non-profit repository for bone grafts
- Built using React, Django, PostgreSQL and AWS
- Implements user authentication, REST APIs, cybersecurity, JSON web tokens, cloud hosting/storage and more

TextArt Terminal

- C/C++ terminal application to create, store and edit text art images and animations
- Supports functionality including create, load, update, undo/redo, animations, save and draw
- Implements many data structures concepts including linked lists, recursion and multi-dimensional arrays

Other

Technical Experience:

- C/C++, Java, Python, Javascript/TypeScript, Angular, React, React Native, NextJs, Spring Boot, Django, AWS, Docker, MySQL, PostgreSQL, Linux, WordPress, PHP, Shopify, Web Hosting