

<https://davidwilliford.dev/>

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Education

East Carolina University

May 2024

Bachelor of Science - Computer Science

- Member of ACM (Association of Computing Machinery)
- Received Dean's List every semester at ECU
- 3.7 GPA

Experience

Software Engineer Intern

Nov 2021 - Nov 2022

Autonomic Solutions

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

Research Assistant

Nov 2022 - Jan 2023

East Carolina University

- Created interactive data representation using Python, Quarto, and Observable JS
- Integrated interactive graphs into a React web application

Personal Projects

MajorStatistics Web Application

- Full stack web application using React, Spring Boot and MySQL
- Displays statistics and graphics pertaining to hundreds of undergraduate majors
- Implements Spring Security, Spring JPA, React Hooks, React props, and many React/Spring Boot best practices

TextArt

- 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 computer science concepts including linked lists, recursion and multi-dimensional arrays

Other

Technical Experience:

- C++, Java, Python, Javascript/TypeScript, Angular, React, Spring Boot, AWS, Docker, Jenkins, MySQL, HTML/CSS