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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 attending 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 form validation, user authentication, RESTful APIs, cloud storage, containerization, kubernetes and CI/CD pipelines

Research Assistant Nov 2022 - Present

East Carolina University

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

Personal Projects

## 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

## MajorStatistics Web Application

* Full stack web application using React, Spring Boot and MySQL
* Displays statistics and graphics regarding income and employment regarding various undergraduate majors
* Implements API calls, Spring JPA, React Hooks, sorting and many React/Spring Boot best practices

Other

Technical Experience: C/C++, Java, Python, Javascript, TypeScript, Git, Angular, React, Spring Boot, AWS, Docker, Jenkins, HTML/CSS

Feel free to visit [davidwilliford.dev](https://davidwilliford.dev/) for more information.