David Williford [WillifordD21@sudents.ecu.edu](mailto:WillifordD21@sudents.ecu.edu) | (919) 709-5700

[My Personal Website](http://davidwilliford99.github.io/PersonalSite)

[LinkedIn](https://www.linkedin.com/in/david-williford-2a20b4222/)

Relevant Experience

**Software Engineer Intern** Nov 2021 - Nov 2022

Autonomic Solutions McLean, VA

* Developed full stack web applications using Angular, Java Spring Boot, and AWS
* Implemented and engaged In web functionalities including form validation, user authentication, RESTful APIs, cloud storage, containerization and CI/CD pipelines

**Research Intern** Nov 2022 - Present

East Carolina University Greenville, NC

* Implemented interactive data representation using Python, Quarto, and Observable JS
* Integrated interactive graphs into web applications using React and Quarto

Personal Projects

**TextArt**

* C/C++ terminal application to create, store and edit text art images and animations
* Functionality includes create, load, update, undo/redo, animate, and draw
* Implements many computer science concepts including linked lists, recursion and multi-dimensional arrays

**Personal Website**

* Constructed a web application to host my resume, technical details, and previous work
* Integrated web animations, routing, and a full-functioning contact form
* Full tech stack includes React, Tailwind and Framer Motion

Education

East Carolina University May 2024

Bachelor of Science - Computer Science Greenville, NC

*Member of ACM (Association of Computing Machinery)*

*Achieved Dean’s List every semester attending ECU (GPA: 3.7)*

Other

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

**Relevant Coursework:** Data Structures and Algorithms, Object Oriented Design and Abstract Data Structures, Discrete Mathematics I and II, Computational Linear Algebra