

CLAIRE DAVIS

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SUMMARY

Analytical, detail-oriented Computer Science student who ensures excellence and quality in all projects and responsibilities, and who views creativity and time management as precursors to success

EDUCATION

North Carolina State University, Raleigh, NC

August 2018 - December 2022

Computer Science Major, Graphic Communications Minor
GPA 3.98/4.00

Honors: Dean's List, Eta Kappa Nu, Tau Beta Pi, University Scholars Program, GE Scholar, Intel Scholar

Relevant Courses: Operating Systems; Data Structures and Algorithms; Automata, Grammar, and Computability; Applied CAD and Geometric Controls; Linear Algebra; Discrete Math; Stats

Certifications: CSWA - Certified SOLIDWORKS Associate in Mechanical Design

LANGUAGES AND TECHNICAL SKILLS

Languages: Java, VBS/VBA, C, Assembly Language, Python, R, HTML/CSS

Technical Skills: Data Analysis, Git/GitHub, Excel/Power Query, SOLIDWORKS, Blender, 3D Studio Max, Adobe Animate, Microsoft PowerApps, Raspberry Pi, Microsoft 365, 3D Printing and Modeling

WORK EXPERIENCE

Undergraduate Research with the CIIGAR Lab at NC State

August 2021 - Present

- Developed location-aware analytics from GPS data generated by electronic dog collars
- Created an interactive user display of analytics

Computer Science Co-op with Highland Industries

January 2020 - July 2021

- Automated a data retrieval process that saved an employee a days-worth of work per week
- Created a real time interactive efficiency dashboard from run data produced minutely by a machine
- Documented all projects with a focus on troubleshooting steps, detailed instructions, and design explanations

ACADEMIC PROJECTS

Student and Faculty Course Scheduler (Java)

Spring 2021

- Implemented controlled access and designated an admin account to edit courses and users
- Designed and coded a finite state machine, a Singleton pattern, and custom exception messages

Customer Interactive Menu (Java)

Spring 2021

- Utilized test-driven development methodology to ensure compatibility with business requirements
- Wrote custom Java util classes (linked list, sorted list, etc.)

LEADERSHIP ACTIVITIES

Albright Entrepreneurs Village, Mentor

Computer Science Ambassador

Co-op Ambassador

AI Club