

Nicholas Pautler

nicholasp3435@gmail.com • (360) 489-6549 • nicp.dev

SUMMARY OF QUALIFICATIONS

- Hands-on experience with software and web development through class and personal projects.
- Experienced in delivering service through effective communication, problem-solving, and interpersonal skills.
- Demonstrated ability to work both independently and within teams to achieve project goals.

EDUCATION

University of Georgia , School of Computing	Athens, GA
<i>Bachelor of Science, Major in Computer Science, Minor in Mathematics</i>	Expected December 2025
Emphasis, Theoretical Computer Science	GPA: 3.76/4.00

University of North Georgia	Watkinsville, GA
<i>General Studies</i>	January 2021 – December 2022
	GPA: 3.74/4.00

RELEVANT COURSEWORK

Software Engineering, Web Programming, Algorithms, Graph Theory, Systems Programming, Human-Computer Interactions, Intro to Higher Mathematics, Computing Ethics and Society, Applied Linear Algebra, Intro to Theory of Computing, Data Structures, Calculus III, Discrete Mathematics, Calculus II, Software Development, Calculus I

TECHNICAL SKILLS

Programming Languages: C++, C, Java, Python, JavaScript, HTML/CSS

Operating Systems: Linux, Windows

Software: Microsoft Office, Unix Command-Line Interface, Powershell, Visual Studio, Visual Studio Code, Git, GitHub

PROJECT EXPERIENCE

3D Model Viewer , <i>Personal Project</i>	July 2024 – August 2024
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- Developed a graphical application for viewing 3D models, applying knowledge from Applied Linear Algebra.
- Implemented matrix and vector operations in Java, creating custom classes and methods for 3D transformations.
- Integrated JavaFX to create an interactive environment for viewing .obj files, enhancing user experience.

UGA Unisex Bathroom Search , <i>Personal Project</i>	January 2024 – February 2024
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- Designed and developed a self-hosted website to search for unisex bathrooms on the UGA campus.
- Incorporated testers' feedback to evaluate and improve the website's functionality and usability.
- Built the site using HTML, JavaScript, and CSS, focusing on an intuitive user interface for easy building searches.
- Deployed the website on a personal server running Ubuntu and utilized Cloudflare for security.
- Link: nicp.dev/projects/unisex-uga

Java Weather Application , <i>Software Development</i>	April 2023 – May 2023
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- Created a Java-based graphical weather application as part of a Software Development course project.
- Utilized the Geoapify API to retrieve geographic coordinates and the National Weather Service API to display weather forecasts and icons.
- Implemented robust error handling, ensuring informative feedback for users.
- Developed the UI using JavaFX, resulting in a user-friendly interface for fetching and displaying weather data.

PROFESSIONAL EXPERIENCE

UGA Small Satellite Research Lab	Athens, GA
<i>MOCI Flight Software Team</i>	August 2024 – Present

- Contributed to flight software development for the Multi-view Onboard Computational Imager (MOCI)
- Performed Day-In-The-Life testing to simulate mission scenarios and ensure system reliability
- Conducted verification checks to validate flight readiness of MOCI
- Collaborated across teams to support hardware/software integration