Braeden McGrath

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School Address: Chattanooga, TN   **Home Address:** Wooster, OH

SUMMARY

Driven computer engineer seeking opportunities to apply and expand technical expertise through hands-on engineering challenges and continuous learning. Passionate about computer architecture and embedded systems. Experienced in hardware testing, team collaboration, and problem solving.

EDUCATION

University of Tennessee at Chattanooga
Bachelor of Science in Computer Engineering | Graduation: May 2026 | GPA: 3.82
- Minor Business Administration
- Minor Electrical Engineering

TECHNICAL EXPERIENCE

- Designed and tested circuits using breadboards, oscilloscopes, function generators, and multimeters
- Programmed in C for configuring a Texas Instruments MSP430 microcontroller
- Programmed in x86 Assembly Language with Robert Irvine library to complete programming assignments
- Developed object-oriented programs in Java and Python for coursework
- Modeled and rendered 3D mechanical parts in SolidWorks for design and prototyping assignments
- Utilized introductory UNIX to complete file management class assignments
- Assembled, disassembled, and repaired desktop computers and laptops, diagnosing hardware issues

WORK EXPERIENCE

Transcard LLC
IT Infrastructure Intern | Feb 2024 – April 2024, Aug 2024 – Aug 2025
- Collaborated with team members to onboard new employees, configure equipment, implement patching software, and troubleshoot IT support tickets
- Gained hands-on experience with command line interfaces and basic network engineering concepts
- Utilized Microsoft Office to effectively communicate and collaborate with co-workers

University of North Carolina at Chapel Hill Paint Shop
Summer Student Painter | May 2023 – Aug 2023, May 2024 – Aug 2024
- Collaborated with supervisors and worked independently to paint and repair dorm rooms

University of Tennessee at Chattanooga College of Engineering and Computer Science
Tutor | Feb 2023 – May 2023
- Tutored students in Calculus 1 and 2, reinforcing problem-solving strategies and foundational concepts for engineering coursework

Hardees
Team Leader | Jun 2020 – Jul 2021
- Lead teams of crew members to provide quick and quality customer service

LEADERSHIP & AFFILIATIONS

University of Tennessee at Chattanooga Esports
Rocket League Esports Coordinator and Team Captain | Aug 2022 – Current
- Build relationships with teams from other schools to schedule matches, scrimmages, and practices; manage players; and compete as a player

Tau Beta Pi Engineering Honor Society
Member | October 2025 – Current
- Recognizes engineering students in the top of their class that demonstrate exemplary character
- Offers networking, leadership, volunteering, and career building opportunities