

Carson Carmody

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EDUCATION

University of North Carolina at Charlotte

Bachelor of Arts in Computer Science

Charlotte, NC

Aug. 2023 – Dec. 2026

Academic Distinctions

Chancellor's List: 3x — Dean's List: 2x

GPA: 3.89

EXPERIENCE

Additive Manufacturing Engineering Intern

Ashley Furniture Industries

Jan. 2023 – June 2023

Advance, NC

- Developed three-dimensional models in SOLIDWORKS for maintenance, repair, and operations
- Maintained three-dimensional printers through loading, printing, and servicing
- Explored ways to engineer solutions to problems within computer-aided design software

War Eagle Motorsports Club Member

Davie County High School

Jan. 2022 – Jan. 2023

Mocksville, NC

- Collaborated with team members to construct a solar vehicle
- Assessed and troubleshoot hardware problems with vehicle electronics
- Maintained upkeep of electronics and vehicle finishing
- Familiarized with tools and hardware

PROJECTS

Air Quality Monitor | *Python, CircuitPython*

July 2023 – Aug. 2023

- Soldered various sensors to monitor temperature, carbon dioxide, pressure, humidity, and particle count using a Raspberry Pi 4
- Built and optimized code in Python to function with the following sensors: SCD-41, BME688, PMSA003I
- Visualized terminal data using Adafruit IO
- Utilized Linux-based operating systems

carsoncarmody.com | *HTML, CSS, Bootstrap*

June 2023 – July 2023

- Discovered front-end development using HTML and CSS
- Published and deployed code through *Netlify*
- Leveraged *Bootstrap* which enhances front-end design
- Formerly deployed on a Raspberry Pi 4 using PHP and NGINX

CERTIFICATIONS

CompTIA Network+

April 2026

- Virtually configured and troubleshooted network infrastructure, including routers, switches, and VLANs.
- Managed core network services and protocols, such as DHCP, DNS, IPv4/IPv6.

TECHNICAL SKILLS

Hands-on: Soldering

Languages: Java, Python, JavaScript, HTML, CSS, PHP

Frameworks: Bootstrap

Data & Analytics: SQL, SAS

Infrastructure: NGINX

Developer Tools: Visual Studio Code, PyCharm

Operating Systems: Ubuntu, Raspberry Pi OS Lite, Windows

Computer-Aided Design Software: SOLIDWORKS, Autodesk Inventor