MATTHEW BACHELDER

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EDUCATION

University of North Carolina at Charlotte — Charlotte, NC
Bachelor of Arts — Computer Science — 3.92 GPA — *January 2024 – May 2026*

Relevant Coursework: Data Structures and Algorithms; Backend, Database, & Web App Design; Physical Computing; Object-Oriented Programming; Software Engineering; Statistics
Achievements: Early Entry Graduate Student, Eagle Scout, Chancellor's List 2024-25, Tau Sigma Honor Society, Wood Badge Owl, Venturing Leadership Award, Vigil Honor

SKILLS

Programming Languages: Python, Java, SQL, HTML, CSS, JavaScript, R
Developer Tools: Git, GitHub, Visual Studio Code, PyCharm, Docker, MySQL, Autodesk Fusion
Frameworks & Libraries: Angular, React, FastAPI, SQLAlchemy, PyUnit, JUnit, JQuery, Ajax
Certifications: Python, SQL, Java Intermediate (SoloLearn); Security Pro (CompTIA)

EXPERIENCE

Lab Instructor — Charlotte, NC
University of North Carolina at Charlotte — *August 2025 – Present*

- **Instructor** for a course with **600 students** teaching **computing fundamentals** and **Python basics**.
- **Administer** two lab sections with a combined **120 students** with an average student grade of **98%**.
- **Lead** weekly meetings to **mentor**, check in with, and **get feedback from** Instructional Assistants
- **Moderate** weekly grades and office hours to **support** students in a **one-on-one** setting.

Scouting America Eagle Scout & Adult Volunteer — Charlotte, NC
Troop and Crew 167 — *April 2008 – Present*

- **Dedicated 17 years** of **service** to **Scouting America**, including **5 years** as an Adult **Volunteer**.
- **Directed** and advised youth in **planning** and **leading meetings, outings**, and **programs**.
- **Supported committees** at the troop, crew, and council level.
- **Organized** a **council-level** weekend event for **75 participants**.

Course Lead (Senior Patrol Leader) — Charlotte, NC
National Youth Leadership Training — *September 2021 – June 2022*

- **Directed** a team of **20 staff** to **deliver** a **week-long leadership program** for **60 participants**.
- **Modeled servant leadership** and **conflict resolution**, fostering a **collaborative course culture**.
- **Coordinated scheduling**, **logistics**, and **presentations** across a **6-day curriculum**.
- **Mentored** staff in **leadership**, **communication**, and **presentation skills**.

PROJECTS

Restaurant Database API | *Python, MySQL, FastAPI, SQLAlchemy, Git* — *January 2025 – May 2025*

- **Implemented** a **backend API** with **CRUD endpoints** across **8 relational database models**.
- **Modeled** relational database tables with **SQLAlchemy** and **enforced validation** using **Pydantic schemas**.
- **Translated 10 customer-requested requirements** into **17 features** and **8 structured endpoints**.
- **Collaborated** in a **Scrum-based workflow** and **maintained version control** with **GitHub**.

IT Firm Portfolio | *HTML, CSS, JavaScript, JQuery, Ajax* — *January 2025 – May 2025*

- **Developed** a **5-page portfolio site** for a fictional **IT firm** with pages for **services**, **projects**, and **history**.
- **Partnered** with a **client** to **iterate** on design, **delivering** all functional **requirements within scope**.
- **Integrated dynamic content filtering** and layout using **jQuery** and **Isotope**.
- **Organized** multi-page navigation with **consistent styling** and **reusable components**.