

# 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

**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

### Personal Website | *Next.js, TypeScript, Tailwind CSS, GitHub Actions*

September 2025 – Present

- Delivered production-ready site in 2 months while balancing graduate student and lab instructor responsibilities.
- Integrated Isotope for dynamic filtering, system-aware theme switching, and hero animations for interactivity.
- Architected a 5-page personal website using self-taught Next.js and Typescript, hosted with GitHub Actions.
- Constructed 9 reusable React components with cohesive UI/UX design across all pages using Tailwind CSS.

### Restaurant Database API | *Python, MySQL, FastAPI, SQLAlchemy, Git*

January 2025 – May 2025

- Modeled relational database tables with SQLAlchemy and enforced validation using Pydantic schemas.
- Translated 10 customer-requested requirements into 17 features and 8 structured endpoints.
- Implemented a backend API with CRUD endpoints across 8 relational database models.
- 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.
- Organized multi-page navigation with consistent styling and reusable components.
- Integrated dynamic content filtering and layout using jQuery and Isotope.