

## Josiah Blanding

---

### EDUCATION

**The University of North Carolina at Charlotte; Charlotte, NC**

August 2025

Bachelor of Science in Computer Science

GPA: 3.11/4

Concentration: AI, Robotics, and Gaming

Honors: Dean's List: Fall 2025

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Front-End Web Development, Intro to Artificial Intelligence, Introduction to Computer Systems

---

### TECHNICAL SKILLS:

**Programming Languages and Databases:** Python, JavaScript, Bash, PostgreSQL, MongoDB, C

**Tools and Technologies:** React.js, Electron.js, Recharts, Node.js, Git, GitHub

---

### WORK EXPERIENCE:

**University of North Carolina at Charlotte**

March 2026 - April 2026

Teaching Assistant, Charlotte, NC

- Introduced a continuous autosave feature to WebWoRK's grading system, preventing in-progress data loss when grading assignments.
  - Created study guide materials for Discrete Mathematics. Clarified concepts in functions and logic to support exam prep.
- 

### COURSE & PERSONAL PROJECTS:

**PhotoShare Web App, Software Engineering**

January 2026 - April 2026

- Personally implemented comment sharing functionality on a full-stack social media application. Worked in a team using Agile workflow, React, Node.js, Express, and MongoDB. Assured route-awareness throughout the UI.
- Implemented login functionality from scratch. Designing the front-end graphics and ".post" backend APIs to send and verify account information.

**Instagram Metrics**

January 2026 - February 2026

- Designed a desktop application from scratch without using generative AI. The application parses through exported Instagram follower data, providing a robust breakdown of user analytics.
- Optimizes the unfollowing process by at least 300%.
- Implemented with React and Electron, it works cross-platform and is fully deployed.
- Provides data visualization using Recharts, making the app more immersive.

**Neural Encoding Desktop App**

March 2026 - April 2026

- Leveraged generative AI to design a desktop application that displays a stream of captured brain activity in a modern design. Transformed the prior application from just a button to a full fledge interface.
- Lead the Front-End team, personally implemented Electron to the codebase which made the application a desktop and cross-platform application. Personally implemented data visualization using a dynamic SVG.
- Designed data flow to allow data streaming consistently when navigating through different parts of the UI.

**Personal Portfolio Website**

January 2026 – February 2026

- Designed a portfolio website using React, Next.js, Tailwind CSS. Showcased an aptitude for Front-End design with consistent color coding, strong contrast, and gradient cards.
- 

### STUDENT INVOLVEMENT

**Charlotte AI Research Club, Charlotte, NC**

March 2026 - April 2026

**Front-End Developer**

- Lead Front-End development for a real time EEG data visualization application.
- Implemented rendering of dynamic SVGs to represent live EEG data.