

# Jon Doe

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## EDUCATION

### Bachelor of Science in Computer Engineering

December 2026

Penn State University | Pittsburgh, PA

GPA: 3.78

Minor in Mathematics

### Master of Science in Computer Engineering

December 2027

Penn State University | Pittsburgh, PA

## SKILLS

**Programming Languages:** Java, Python, C/C++, Go, JavaScript/TypeScript, MATLAB

**Technologies:** RESTful APIs, Embedded Systems, Linux, SQL, MariaDB, Docker, Typst

**Tools:** Git, VS Code, JetBrains IDEs, Make, Arduino IDE, Postman, VirtualBox

## PROJECTS

### Smart Campus Navigation App

January 2025 - April 2025

*React Native, Node.js, PostgreSQL, REST APIs*

[gh.com/campus-nav](https://gh.com/campus-nav)

- Developed a mobile application to help students navigate campus buildings using real-time location data
- Designed RESTful backend services and optimized database queries to support hundreds of concurrent users

### Embedded Weather Station

September 2024 - December 2024

*C, Arduino, Sensors, UART/I2C*

[gh.com/weather-station](https://gh.com/weather-station)

- Built an embedded weather monitoring system collecting temperature, humidity, and pressure data
- Implemented low-power firmware and serial communication for reliable data logging

### Distributed Chat Application

June 2024 - Present

*Go, TCP/IP, Concurrency*

[gh.com/go-chat](https://gh.com/go-chat)

- Implemented a concurrent client-server chat system using Go routines and TCP sockets
- Focused on fault tolerance, message ordering, and clean protocol design

## EXPERIENCE

### Computer Engineering Teaching Assistant

August 2024 - Present

*Penn State University*

*Pittsburgh, PA*

- Assisted with instruction for core computer engineering courses covering data structures and digital logic
- Held weekly office hours, providing one-on-one academic support to over 40 students per semester
- Supported grading, exam preparation, and lab troubleshooting in collaboration with faculty

### Software Engineering Intern

May 2025 - August 2025

*Local Tech Startup*

*Pittsburgh, PA*

- Developed backend features for a web-based analytics platform using Python and SQL
- Improved system performance by profiling and optimizing database queries
- Collaborated in an agile team environment using Git and issue tracking tools

## EXTRACURRICULAR ACTIVITIES

*Vice President, Tau Beta Pi Engineering Honor Society*

October 2024 - Present

*Treasurer, IEEE Penn State Student Chapter*

August 2023 - Present

*Member, Penn State Programming Club*

September 2023 - Present

*Participant, ACM Programming Contest*

October 2023, October 2024

## ACHIEVEMENTS

Dean's List, College of Engineering

August 2023 - Present

Undergraduate Research Grant Recipient

May 2024

Penn State Honors Program Scholarship

June 2023