

JACOB FOLTZ

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EDUCATION

The University of Tennessee, Knoxville
Bachelor of Science in Computer Science
Bachelor of Science in Applied Mathematics

Graduation: May 2027
Cumulative GPA: 3.92

EXPERIENCE

Epic Lab

Undergraduate Research Assistant

Knoxville, Tn

May 2025 – Present

- Focused on software for SkyTrace Robot – built 3d visualization system and path finding for a robot that could travel on walls and ceilings
- Worked on codebase SkyTrace robot – included BLE, various motor functionality, and utilizing time of flight sensors
- Worked on projects using Cesium to optimize power usage at various NASA locations

Tennessee Reading Research Center

Student Programmer

Knoxville, Tn

August 2024 – May 2025

- Maintained multiple educational websites utilizing a LAMP Stack
- Solved various bugs ranging from the UI to issues with the database
- Built features such as a tool to see if a student was cheating

Dragonfly Collective

Full-Stack Developer

Knoxville, Tn

May 2024 – August 2024

- Began to fully develop a new website as part of a project
- Built the UI of most of the website utilizing React
- Built backend with Django and PostgreSQL

RELEVANT PROJECTS

Cardea Messaging

cardeamessaging.com

Knoxville, Tn

August 2023 – May 2024r

- Built AI-assisted texting bot capable of general assistance, birthday reminders, and daily reminders
- Other abilities include generating ASCII art and getting weather reports

SKILLS & CERTIFICATIONS

• React	• C++	• Web Development
• Python	• SQL	• Full-Stack Development

LEADERSHIP

IEEE

IEEE Robotics President and IEEE Vice-Chair

Knoxville, Tn

May 2025 – Present

- Leading a team of around 20 people in creating a robot for a competition
- Worked on various robots focusing mostly on programming various aspects
- Collaborated on the robot in the 2024 and 2025 competition

HONORS & AWARDS

- Summa Cum Laude every semester
- Eagle Scout