

# JACOB FOLTZ

Knoxville, Tn 38237 • (731) 332-0015  
chajfolt@vols.utk.edu

## 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