

# Gin Park

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## Summary

Dedicated and goal-oriented computer science junior with demonstrated leadership and collaborative skills. Interested in frontend and backend software development.

## Education

### University of Massachusetts Amherst

Bachelor of Science in Computer Science

Expected 2026

3.54 GPA

**Coursework:** Web Programming, Software Engineering, Algorithms, Programming Methodology & Testing

## Skills

**Programming Languages:** Python, Java, JavaScript, HTML/CSS, TypeScript, C, SQL

**Frameworks & Libraries:** Node.js, Express.js, Sequelize, SQLite, PostgreSQL, Socket.io, Jest

**Tools:** Git, Bash

## Projects

[github.com/ginpks](https://github.com/ginpks)

### URide – Rideshare Web App

Fall 2024

- Led a team of 7 as project manager in building a full-stack web application for facilitating student ridesharing
- Developed RESTful APIs to enhance client-server communication and enable efficient data management
- Implemented direct messaging between users using Socket.io, storing chat messages in SQLite database
- Designed user model for account creation and storage in SQLite database using Sequelize
- Constructed user-friendly, dynamically responsive front-end components for direct messaging page

### Trivia Time

Fall 2024

- Designed an interactive trivia game application using HTML/CSS and JavaScript
- Implemented dynamically generating quiz questions, score tracking, and performance feedback
- Retrieved and processed questions from an external API, ensuring unique questions each round

### Sudoku Solver

Fall 2023

- Designed an algorithm to solve sudoku puzzles using Python

### Air Quality Index

Spring 2023

- Developed a real-time Air Quality Index application with React.js, delivering real-time data visualization
- Leveraged SQL for efficient data storage and retrieval, supporting real-time updates and data analysis
- Integrated OpenAQ API to fetch accurate air quality data
- Conducted thorough testing and debugging using Jest to ensure robust performance and cross compatibility

## Experience

### Student Advisory Board Member, First National Bank – Madison, AL

August 2021 – May 2022

- Planned and coordinated social events
- Conducted personal finance presentations to elementary and middle school students

### STEM Tutor – Madison, AL

May 2021 – May 2022

- Assisted students with chemistry and mathematics ranging from elementary to high school curriculum
- Developed lesson and study plans to facilitate and enhance academic performance

## Activities

Cooking, Running, Gaming, Kickboxing/Brazilian jiu-jitsu