

# Gin Park

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## Summary

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As an aspiring developer, I am passionate about collaborating on innovative projects to enhance my programming expertise and strengthen my communication skills.

## Education

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**University of Massachusetts Amherst**

Expected 2026

B.S. in Computer Science

3.60 GPA

**Coursework:** Web Programming, Algorithms, Programming/Testing Methodology, Computer Systems Principles, Probability, Discrete Math

## Skills

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

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

**Tools:** Git, Bash

## Projects

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**URide – Rideshare Web App** | [github.com/ginpks/URide](https://github.com/ginpks/URide)

Fall 2024

- Led a team of 7 as project manager in building a full-stack web application for facilitating student ridesharing
- Developed RESTful APIs that enhanced client-server communication and enabled 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
- Developed user-friendly, dynamically responsive front-end components for direct messaging page
- Used Git version control for distribution of work and group code review

**Trivia Time** | [github.com/ginpks/trivia-quiz](https://github.com/ginpks/trivia-quiz)

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** | [github.com/ginpks/project](https://github.com/ginpks/project)

Fall 2023

- Designed an algorithm to solve sudoku puzzles using Python

**University Weather Data Application**

Spring 2023

- Led a team of 3 in constructing an application that retrieves weather data using JavaScript
- Retrieved and processed weather data at various university locations using multiple external APIs
- Wrote mock tests for API fetching using Jest
- Utilized Git version control to distribute work and implement changes

## Experience

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**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

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Cooking, Running, Gaming, Mixed-Martial-Arts