

CHEV KODAMA

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EDUCATION

Rensselaer Polytechnic Institute (RPI)

Troy, NY

Bachelor of Science in Computer Science, GPA: 3.6/4.0

Expected December 2025

Minor: Management

RELEVANT COURSEWORK

Network Security and Defense (IP), Application Design Using Java, Operating Systems, Data Structures, Introduction to Algorithms

SKILLS

C/C++, Java, JavaFX, Python, SQL, R, HTML, CSS, Shell Scripting, Haskell, Erlang, React Native, JavaScript, Microsoft Excel, macOS/Linux, Windows

PROJECTS

Farmers Market Browser

August 2024

- Built a desktop application able to parse and store farmers market data from a CSV into a MySQL database and then allow users to search for and browse them, used Java, JavaFX, and SQL
- Took advantage of JavaFX features such as TabPane to allow users to easily browse and view markets
- Used multithreading to efficiently parse and store data; number of threads is based on number of cores
- Search functionality based on city and state or zip code along with a max distance from the location

Epidemic Simulation

July 2024

- Built a desktop application able to efficiently simulate the spread of an epidemic, used Java and JavaFX
- Abstract data types (ADTs) used to represent an epidemic graph object
- Breadth first search (BFS), number of neighbors (degree), or random may be used to spread the infection
- Line chart was used to show the number of nodes infected, not infected, and recovered

One Percent Challenge App

Jan 2024-Feb 2024

- Collaborated with a partner to build a mobile application that makes users better by 1% every day; he designed, and I implemented
- Learned React Native and integrate Firebase within 3 weeks

Quoter

2021-2023

- Collaborated with a partner both in-person and across states to build a mobile gamified mood check-in and journaling app designed to track and then improve the user's mood
- Learned how to use no/limited code design tools: FlutterFlow, Adalo, Figma
- Developed a product using a user-centered design thinking process: define the problem, research the market, prototype, test with users, repeat

ACTIVITIES

Tae Kwon Do Club

Oct 2022-Present

- Started with no experience and have practiced diligently to advance through 5 belt levels to the red belt