

Robert Villa

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Education

University of Illinois Urbana-Champaign
Bachelor of Science in Computer Science (Engineering)

Exp. May 2023

GPA: 4.0/4.0

Chancellor Scholar, James Scholar

Work Experience

Pinterest – Software Engineer Intern (2022)

- A member of the monetization org as a summer intern
- Completed a full stack project to create an internal tool used for monitoring and changing API rate limits

ASAR Digital – Intern (2021)

- Summer intern at ASAR Digital, a company that helps supply customer experience software to other businesses.
- Researched and contributed to the development of software extensions for SAP solutions

Projects

Stock Platform, a site coded using JavaScript, C++, and SQL

- Site that allows users to track stocks in a portfolio and provides the users with recommendations to similar stocks
- Uses SQL to manage user and stock data

Minimum Spanning Tree Visualizer, a React app coded using JavaScript, HTML, and CSS

- Allows the user to create a weighted graph with an interactable interface
- Animates the logic behind different minimum spanning tree algorithms

Evade, a physics-based game coded in C++

- The player dodges objects and collects keys as they move throughout the 2D world
- Used Cinder to help with graphics and physics calculations

Ultimate Tic-Tac-Toe, an Android app coded in Java

- An expanded and more complex take on traditional tic-tac-toe
- Implemented a user-friendly GUI and incorporated HTTP web requests in the project

Relevant Coursework

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|--------------------|-------------------------|------------------------|
| - Data Structures | - Computer Architecture | - System Programming |
| - Algorithms | - Numerical Methods | - Database Programming |
| - Machine Learning | - Functional Languages | - Cloud Networking |

Skills

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|--------|----------|-----------|-------|--------------|----------|-------|
| - Java | - Python | - C++ | - C | - JavaScript | - HTML | - CSS |
| - SQL | - JSX | - Haskell | - Git | - React | - Docker | - AWS |