Edmund Tan Yu Yi

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EDUCATION

University of Wisconsin-Madison | Madison, WI   Estimate Graduation: Dec 2024

Bachelor of Science-BS, Computer Science

- Relevant coursework: Object-oriented programming, Algorithms and Data Structures, Code Design and Development, Linear Algebra, Discrete Mathematics, Basics of Computer Hardware and Low-level Software, Intro to Computer Systems
- Cumulative GPA (as of end of first year/ May 2022): 4.0 /4
- Dean's list: Fall 2022, Fall 2021, Spring 2021

EXPERIENCES & INVOLVEMENTS

Member of Intermediate team   January 2022 – present

Software Development Club | University of Wisconsin-Madison

- Collaborated with 3 other undergraduate programmers with the goal of devising, programming and presenting a product based on a collaboratively designed proposal
- Assigned tasks to group members and managed communications between group members by organizing meetings and setting up a joint progress record
- Made improvisations to development plan after some members encountered difficulties inhibiting their contributions to the project, after assessing the progress and remaining time frame with other group members.

PROJECTS

Social Media Mobile App

Group project | Software Development App

- Build backend of web application using Node.js and MongoDB
- Design and implement database and routes

Weather Forecast App

Group project | coursework

- Implemented data storage and retrieval functions using self-implemented Red-Black Tree, which allowed for consistent and efficient insertion of data
- Utilized APIs to fetch forecast data and extracted data from XML format API responses

Book Mapper

Group project | coursework

- Implemented data storage and retrieval functions using self-implemented hashtable, and expanded capabilities of basic hashtable to allow for searching and filtering books by various fields
- Learned how to extract and utilize data from CSV format dataset

CERTIFICATIONS

JPMorgan Software Engineering Virtual Experience Program on Forage   February 2023

JPMorgan

- Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies

SKILLS

Programming: Python, Java, Git, Bash, C
Web development: HTML, CSS, JavaScript (node.js, Express, MongoDB), CGI
Systems: Windows, Linux
Languages: Mandarin Chinese (Written: intermediate and in traditional Chinese, spoken: fluent/ native), English (Written: expert, Spoken: fluent)
General skills: analytical-thinking, problem-solving, team-oriented