Alen Ray Tan

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EDUCATION

New Mexico State University | Bachelor of Computer Science   Dec. 2024

- Minor in Computer Systems
- GPA: 3.42
- Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Software Development, Database Management Systems, Compilers and Automata, Operating Systems, Computer Networks, Programming Languages, Modern Web Technologies, Human-centered Computing, Computing Ethics, Ethical Hacking, Calculus I & II, Linear Algebra

EXPERIENCE

Technical Services | NMSU Branson Library – Las Cruces, NM   Oct. 2021 - Present

- Updated online Alma database with new books and journals
- Worked with colleagues to correct misprocessed books/journals
- Developed documentation and instruction sets to train colleagues on QA processes and data entry processes
- Conducted quality assurance on publications, ensuring accuracy and consistency in metadata

Private Tutor   Fall 2023

- Utilized strong communication skills to provide tutoring sessions of Database Management Systems
- Covered topics such as queries, nested queries, views, and aggregate functions
- Provided specific examples of MySQL queries tailored to student's needs

PROJECTS

Grub Goals   Fall 2024

- Collaborated with a team of 4 to create a meal-planning web application considering dietary restrictions
- Implemented React+Vite, Node, MongoDB, and Chart.js
- Concentrated on front-end development, data visualization with Chart.js, and Data retrieval
- Integrated APIs to fetch real-time data from Spoonacular

Finance and Stonks   Spring 2024

- Collaborated with a team to create a financial tracking demo web application using Bootstrap/CSS, HTML, JS, MongoDB/Mongoose
- Focused on creating and managing routes, user validation, and data synchronization between MongoDB and Chart.js for data visualization

Personal Website | alenrtan.github.io   Spring 2024

- Created a personal website with pure HTML, CSS, and JavaScript
- Implemented features using media queries and modifying the DOM

Database Management Systems Project   Spring 2023

- Developed a CLI using Java to interact with a MySQL database
- Implemented features that allowed users to add, remove, and update entries in the database
- Established a connection to MySQL using JDBC to execute SQL queries

SKILLS

- Experience with: Java, JavaFX, JavaScript, MySQL, JDBC, HTML, CSS, and C
- Familiar With: Node, Bootstrap, Socket.io, Express, MongoDB/Mongoose, GitHub, Wireshark, CONTENTdm
- Fluent in English; Proficient in Tagalog (Filipino)