

## EDUCATION

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- **University of Wisconsin-Madison** Madison, WI  
*Declared in Computer Sciences, B.S. and Data Science, B.S.* *Aug. 2021 – Present*
  - **GPA:** 3.452
  - **Relevant Coursework:** Algorithms, Computer Engineering, Programming III (included data structures), Data Modeling II, Discrete Mathematics, Cryptography, Machine Organization, Machine Learning, Artificial Intelligence, Operating Systems, Computer Graphics, Database Management Systems, User Interfaces

## EXPERIENCE

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- **Shine A Light / SINO-USA Next Generation Foundation** Atlanta, GA  
*Software Engineer* *June 2021 - Present*
  - Built a website on the Salesforce platform using Community Builder.
  - Created many custom **Lightning Web Components** using HTML/CSS/JS to match specifications on Figma.
  - Developed custom Apex classes with **SOQL** (Salesforce flavor of SQL) queries to dynamically load user data.
- **Sanity;Gone (<https://sanitygone.help>)** Remote  
*Software Engineer* *November 2021 - Present*
  - Developed a fully responsive, beautiful game guides website for the mobile game Arknights.
  - Parsed incredibly complex game data JSONs into readable outputs with type checking.
  - Used **HTML, CSS, and React/JSX** to prototype and match Figma design specifications.
  - Website displays contributor content using **Next.js, Astro, TypeScript, and the Contentful CMS**.

## EXTRACURRICULARS

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- **International Collegiate Programming Contest** Madison, WI  
*Team Member* *September 2022 - Present*
  - Came up with and implemented solutions in **C++ and Python**, focusing on efficient run times and complex algorithmic problem solving tools, such as greedy, graph traversal, advanced data structures, and divide/conquer.
  - Placed 13th out of 116 teams, then 14th out of 129 teams in the North Central NA Regional Competition.
- **Neuqua Valley Computing Team** Naperville, IL  
*Team Captain* *July 2020 - June 2021*
  - Developed the team's website (nvcomputing.com), providing detailed, high-quality resources and guides for programming competitions, using **Bootstrap, HTML/CSS/JS, Express, Handlebars, JQuery, and Heroku**, and developed guide parsers for **Markdown and MathJax**.
  - Held meetings and organized materials to teach other students computer science topics such as boolean algebra, regular expressions, assembly language, and data structures.
  - Led students to participate in computer science competitions and competitive programming.
- **FTC / First Tech Challenge Robotics** Naperville, IL  
*Lead Developer* *August 2017 - Present*
  - Architected and wrote Sequoia, a flexible asynchronous task-scheduling library that synchronizes subsystem control loops and integrates user input. Used library to implement complex autonomous computer vision routines.
  - Helped run multiple bootcamps to teach new team members and younger kids to program a robot to drive.

## OTHER PROJECTS

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- **raymondzhao.com:** My personal portfolio website, where I make occasional blog posts and showcase all the projects I've done. Developed using **HTML/CSS/JS, Astro, Svelte, and Tailwind**.

## SKILLS

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- **Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, C/C++, Rust, Regex, R, Apex, Mathematica, Bash/Shell/Batch
- **Technologies:** Git, JQuery, React, Next.js, Express, Tailwind, Bootstrap, Jupyter, Salesforce / SFDX, Web Components / Lightning Web Components, Heroku, Gradle, Maven, Gatsby, Astro, Handlebars, Svelte, Material-UI, AWS, Jenkins