

EDUCATION

- **University of Wisconsin-Madison** Madison, WI
Declared in Computer Sciences, B.S. and Data Science, B.S. *Aug. 2021 - Present*
 - **GPA:** 3.341
 - **Relevant Coursework:** Algorithms, Computer Engineering, Programming III (included data structures), Data Modeling II, Discrete Mathematics, Cryptography, Machine Organization, Machine Learning, Artificial Intelligence
 - **Coursework In Progress:** Operating Systems, Computer Graphics, Database Management Systems, User Interfaces

EXPERIENCE

- **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

- **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

- **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

- **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