

Henry Anstaett

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Education

UNIVERSITY OF WISCONSIN-MADISON

Madison, WI

Bachelor of Science in Computer Science.

Expected Year of Graduation: 2025

Coursework

- COMP SCI / MATH 240: Discrete Mathematics
- COMP SCI / ECE 252: Computer Engineering
- COMP SCI 400: Programming III
- COMP SCI / ECE 354: Machine Organization
- COMP SCI / ECE 542: Software Security

Experience

MCPASD IT Department

Middleton, WI

Intern

May 2020 – May 2021

- Worked with multiple different bios systems to configure hundreds of computers for Middleton Cross Plain Ares School District
- Installed software on lab machines, repaired students broken Chromebooks
- Put in charge of ordering thousands of dollars' worth of replacement computer parts for the district.

Personal Projects

Chat Room

- Developed a real-time chat room application using HTML, JS, and CSS for the front end, and Firebase for the back end, delivering a seamless and interactive communication platform.
- Implemented Google user authentication through Firebase, enhancing security and providing users with a streamlined sign-in process.
- Leveraged Firebase's real-time database feature to provide live updates to users, fostering instantaneous and dynamic conversation experiences.

Tetris

- Developed a fully interactive Tetris game using React, React Hooks, TypeScript, and HTML
- Gained an understanding of React Hooks through practical implementation, effectively managing state and side effects in functional components.

Personal Projects (continued)

Shoe Customizer

- Developed an interactive shoe customization application leveraging HTML, CSS, React-Three, and JavaScript, demonstrating proficiency in building 3D user interfaces.
- Utilized a Blender-rendered model of a shoe to enable users to dynamically customize various aspects such as mesh, stripes, laces, and sole, providing a personalized design experience.
- Implemented React-Three for efficient manipulation of 3D objects in the application, allowing users to fully interact with the shoe model by zooming in, out and rotating it.

Weather

- Created a dynamic weather application utilizing HTML, CSS, and JavaScript
- Integrated the OpenWeatherMap API to fetch real-time weather data, providing users with accurate and timely meteorological information.

Skills & Interests

Experienced in: Java, Python, C/C++, HTML, CSS, SCSS, JavaScript, React.js, React Three, Node.js, jQuery, Angular, Firebase, SQL

Portfolio Website:

<https://portfolio23-five.vercel.app/>

