

Conner Mullins

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Experience

Simple Pantry Tracker | HeadstarterAI Fellowship

29 Jul 2024 - 04 Aug 2024

- Developed a pantry management application using Next.js and Material UI for the frontend
- Implemented Firebase for backend data storage and real-time updates
- Created a form for adding, deleting, and updating pantry items
- Developed a search functionality for easy item retrieval
- Deployed the application on Vercel and integrated Continuous Integration/Continuous Deployment (CI/CD) practices

Robotic Assembly of Photovoltaic Arrays | University of Idaho

Aug 2023 - May 2024

- Led the robotic assembly of NASA-patented solar arrays, achieving a 100% compliance rate with a stringent 10-minute assembly time requirement
- Designed and built a custom server for robotic arm communication using Raspberry Pi
- Trained 3 colleagues and self in WINCAPS III, improving team and coding proficiency
- Contributed to programming of control systems for 3 robotic arm end effectors, enhancing overall operational precision and efficiency

Compiler Design | University of Idaho

Jan 2024 - May 2024

- Developed a scanner for the custom programming language 'bC' using Flex and Bison
- Implemented a parser that constructs an abstract syntax tree (AST) from tokens, improving parsing speed
- Incorporated detailed semantic analysis and error handling, reducing code errors and improving code integrity
- Established a standardized template for compiler error messages, which streamlined the troubleshooting process and resulting in a more efficient development cycle
- Generated a mix of assembly and machine code for use in a TM

E-Commerce Platform Development | University of Idaho

Sep 2022 - Dec 2022

- Created a comprehensive e-commerce website enabling vendors to list tech products and services
- Managed and optimized databases for 1,000+ products, services, and user accounts
- Implemented advanced search and filtering features, including price range, brand, and screen size, significantly improving user search accuracy.
- Developed a feature to display products just outside the specified price range at the end of the search results
- Designed and formatted product display pages, creating a more intuitive browsing experience for users

Education

University of Idaho, Moscow, Idaho | Bachelor of Science in Computer Science

Aug 2019 - May 2024

- **Course Highlights:** Machine Learning, Database Systems, Analysis of Algorithms, Software Engineering
- GPA: 3.5

Awards and Recognition

Dean's List: Fall 2019, Fall 2021, Spring 2022, Fall 2022, Spring 2024

Technologies

Technical Skills: C++, C, Python, JavaScript, HTML, CSS, SQL, PHP, VS Code, Git, phpMyAdmin

Skills: Analytic Reasoning, Software Testing, Attention to Detail, Creative Approaches

Interests: Drawing, Photography, Playing Trombone