Conner Mullins

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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

Projects

Robotic Assembly of Photovoltaic Arrays | University of Idaho   Apollo Printing Repository
Aug 2023 - May 2024

- Led robotic assembly of NASA-patented solar arrays, ensuring adherence to strict 10-minute assembly requirement
- Designed and built server for robotic arm communication with Raspberry Pi
- Trained self and colleagues in WINCAPS III for coding purposes
- Contributed to programming controls for multiple robot arm end effectors
- Tools Used: WINCAPS III, Python

Compiler Design | University of Idaho   Compiler Design Repository
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
- Incorporated thorough semantic analysis and error handling to ensure code integrity
- Enhanced clarity by establishing a standardized format for all compiler-generated errors and warnings
- Generated a mix of assembly and machine code for use in a TM
- Tools Used: C, C++, Flex/Lex, Bison/Yacc

Website and Database Development | University of Idaho   Website Repository
Sep 2022 - Dec 2022

- Produced a website that allows vendors to list tech products and services
- Managed databases for products, services, and user accounts
- Implemented advanced searching and filtering features such as price range, brand, screen size, etc.
- Created a feature that shows products just outside of the given price range at the end of the results
- Designed and formatted the display of products for each page
- Tools Used: PHP, HTML, CSS, MySQL

Additional Experience And Awards

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

Technologies

Languages: C++, C, Python, JavaScript, HTML, CSS, SQL, PHP

Software: Visual Studio Code, Git, phpMyAdmin

Skills and Interests

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

Interests: Drawing, Photography, Playing Trombone