

Cooper Cox

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Education

Computer Science BS | Western Washington University

- Expected graduation: June 2025.
- Mathematics minor, Honors interdisciplinary studies minor, Premasters student
- Machine Learning/Deep Learning research member
- 3.72 GPA

Projects

Clock App | Javascript | March 2024

- Worked as part of a two man team coordinating together and splitting tasks to meet close deadline.
- When opening the app at the top of the screen there is a quote with a button to change quotes. This is done with the use of a quotes API.
- Greets the user and tells them the time based on their location and timezone. There is also a button that when clicked provides more information about the overall time. This is achieved through the use of two API's getting user location and world time.
- Wrote testing file to ensure user actions work as designed and of overall styling.

Relevant Coursework

Computer Science: Formal Language and Functional Programming, Database Systems, Analysis of Algorithms and Data Structures, Computer Networks, Object Oriented Design

Mathematics: Linear Algebra, Multivariable Calculus, Probability and Statistical Inference, Linear Optimization

Applicable Skills

Languages: Python, Java, Racket, C, MySQL, Javascript

IDE's: Visual Studio Code, Thonny, Pulsar

Theoretical: Mathematical induction, Automata, Runtime analysis, Analysis of algorithms

Practical: Sorting algorithms (merge, quick, radix, insertion, selection), Heaps, Stacks, Trees, Elf files, Multidimensional and jagged arrays, Dynamic programming, Greedy choice, Graphs

Work Experience

Machine Learning Team Member | March 2024

- First quarter undergraduate working with the Global Change Assessment Model (GCAM)
- Comprehension of common Machine Learning/Deep Learning fundamentals

Headstarter Fellowship | July 2024

- Remote position with the goal of developing existing skills and projects
- 7 week program with emphasis on building networking, creating, and career prep