Ulizes Raudales

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EDUCATION

Whitman College   Walla Walla, WA
Bachelor of Arts in Computer Science and Mathematics, Minor in Physics   *August 2021 – May 2025*
Relevant Coursework:

Computational Problem Solving, Data Structures, Interactive Computer Graphics, Discrete Mathematics and Functional Programming, Computer System Fundamentals, Algorithm Design and Analysis, Theory of Computation, Software Design

Calculus I, II, III, Problem Solving in Mathematics, Linear Algebra, Differential Equations, Abstract Algebra

General Physics I, Computational Physics, Dynamic Systems and Chaos, 20th Century Physics, Quantum Mechanics

EXPERIENCE

Physics Department   Walla Walla, WA
Teacher Assistant for Computational Physics   *August 2023 – present*
- Write detailed lecture notes with LaTeX for students to reference.
- Aid in Python programming and troubleshooting code.
- Assist in providing homework solutions and grading.

Computer Science Department   Walla Walla, WA
Asid Research Assistant: Salmon Project   *September 2023 – present*
- Developing 3D mdoels and simulations of the Mill Creek water system to help understand the effects of water flow on salmon.
- Helping to develop an interactive application to help kids learn about salmon and their habitat.

Sounds and Lights   Walla Walla, WA
Crew Member   *September 2022 – present*
- Oversee and assist with the setup of sound and lighting systems for campus events.
- Managed the operation of amplifiers, sound and lighting boards to regulate speakers, microphones, and lights.
- Oversaw audio playback from computers during musical events and conducted sound testing for various bands.

Baker Boyer National Bank   Walla Walla, WA
IT Intern   *May 2022 – August 2022*
- Developed BAT automation scripts to install and configure necessary applications and drivers on computers.
- Diagnosed and resolved software and hardware problems, including issues related to drivers, docking stations, plugins, and computer towers
- Repaired networking issues pertaining to switches and network connection.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, TypeScript, Objective-C, Fortran
Frameworks: ReactJs, NodeJs, Cocoa, Metal 3, TailwindCSS
Developer Tools: Git, Docker, Xcode, VS Code, Arduino IDE
Libraries: pandas, NumPy, SciPy, Matplotlib, Three.js, OpenCV