Isaac Perkins

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Results-driven Computer Science and Data Science student at the University of Oregon with a proven track record of academic excellence. Proficient in software development and machine learning, passionate about leveraging technology to drive innovation. Seeking challenging opportunities to apply my skills and contribute to cutting-edge advancements in the field

Professional Experience

IT Support Technician – University of Oregon IS   *Feb 2023 – Present*
- Introduced a solution to a recurring printer problem, reducing printer issues by 60%
- Utilized a priority-based ticket system to manage tasks and fulfill requests
- Contributed to a common knowledge base for future support by both users and technicians
- Planned, scheduled, and lead projects with my coworkers support

Java Developer – The NW Advanced Programming Workshop   *Jan 2023 – June 2023*
- Guided and mentored students in debugging and completing their programming projects
- Designed two Java assignments to teach object-oriented programming concepts
- Documented successful approaches and areas for improvement, enhancing students' understanding
- Worked alongside Tom Pittman, author of *The Art of Compiler Design* (1992)

Web Developer – University of Oregon CPE   *Apr 2022 – Sep 2022*
- Developed and edited website pages using **HTML**, **CSS**, **JavaScript**, and **PHP**
- Worked in a skilled team, utilizing **GIT** for version control
- Leveraged **SQL** for dynamic database operations to enhance page content updates

Projects

Plate Spotter
- Trained a **YoloV8** model using a large dataset of license plate images on **Google Colab**
- Created a **Python** library for real-time video capture and license plate recognition using a trained machine learning model

Not Duo
- Collaborated with a team to develop a **Kotlin** based **Android** app, similar to Duo Mobile, incorporating biometric authentication for enhanced security
- Created a **Python** authentication library for seamless integration with **Flask** based websites

User Space Process Scheduler
- Wrote a process schedule in **C** which only used system calls
- Designed a program that reads from a list, runs processes independently, and displays performance statistics akin to Task Manager or Top

Education

Bachelor of Science, Computer and Data Science
University of Oregon, Eugene Oregon
- Dean's List
- Graduation June 2024

Skills

Languages: C, C++, Python, Java, Kotlin, JavaScript, SQL, Bash, HTML, CSS
Technologies / Frameworks: PyTorch, TensorFlow, NumPy, scikit-learn, Pandas, Matplotlib, OpenCV, Flask,
Databases: MongoDB, MySQL, Firebase
Software and Tools: Git, VS Code, Github
Platforms: Windows, Linux, MacOS, Docker