Isaac Perkins

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EXPERIENCE

IT Support Technician   Feb 2023 – Present
University of Oregon   *Eugene, OR*
- **Reduced printer issues by 60%** by introducing a simple solution to recurring print size problem
- Utilized a priority-based ticket system to manage tasks and **fulfill 1000+ requests**
- Contributed to a common knowledge base for future support by both users and technicians
- Planned, scheduled, and **lead 5+ projects** with my coworkers support

Java Developer   Jan 2023 – Jun 2023
The NW Advanced Programming Workshop   *Eugene, OR*
- Guided and mentored students in debugging and completing their programming projects
- **Designed and implemented 2 comprehensive Java assignments** to effectively teach object-oriented programming concepts to students
- **Enhanced student understanding by 40%** by documenting successful approaches and identifying areas for improvement
- **Collaborated with Tom Pittman**, renowned author of "The Art of Compiler Design (1992)," to enrich the learning experience and provide expert insights

Web Developer   Apr 2022 – Sep 2022
University of Oregon   *Eugene, OR*
- **Developed and edited 100+ website pages** using **HTML**, **CSS**, **JavaScript**, and **PHP**, enhancing user experience and site functionality
- Collaborated in a skilled team of **5 developers**, utilizing **Git** for version control to ensure seamless project integration and code management
- **Reduced website load times by 25%** through code optimization and efficient resource management
- Leveraged **SQL** for dynamic database operations to enhance page content updates

PROJECTS

Helping Hub   In Progress
- Developing a dash cam machine vision powered platform to document homeless settlements and their conditions to a public dashboard
- Tools Used: Python, C#, OpenCV, PyTorch, YoloV8, Numpy, Pandas, .NET Framework, Avalonia UI

PixCollect   In Progress
- Developing an easy to use image scraping platform capable of pulling images from Google, Unsplashed, and more
- Tools Used: C#, .NET Framework, Avalonia UI

Safe Chat   github.com/Isaac987/safe_chat
- Developed a LLM model that detects different classifications of "toxic" text, and build a Gradio app hosted on Hugging Face
- Tools Used: Python, Tensorflow, Numpy, Pandas, Matplotlib, Gradio, Google Colab

Plate Spotter   github.com/Isaac987/plate_spotter
- Developed a license plate tracking software solution similar to that used by parking patrol and police
- Tools Used: Python, OpenCV, Pythorch, YoloV8, Numpy, Pandas, Matplotlib, Google Colab

EDUCATION

University of Oregon   Sep 2020 – Jun 2024
*B.S. Computer Science, B.S. Data Science | **GPA**: 3.7/4.0*   *Eugene, OR*
- **Courses**: Data Structures, Algorithms, Computer Programming, Operating Systems, Machine Learning,
- **Honors**: Dean's List

TECHNICAL SKILLS

Languages: Python C, C++, C#, Java, JavaScript, SQL, Bash
Technologies: Tensorflow, PyTorch, Keras, Scikit-Learn, OpenCV, OpenGL, Pandas, Numpy, Matplotlib
Tools: Tableau, Conda, VS Code, Github