JONATHAN WARFIELD MEYER

Github LinkedIn Portfolio j.warfieldmeyer@gmail.com

PROFESSIONAL SUMMARY

As a 2022 Computer Science Masters graduate, I bring both academic excellence and real-world industry experience to the table. With a solid foundation in data science and software engineering, I am eagerly looking to kickstart my career in these fields.

EDUCATION

University of California, Riverside
Master of Science in Computer Science, 3.7 GPA *June 2022*
• Electives: Data Mining, Databases, Software Verification, Real-Time Operating Systems

Bachelor of Science in Computer Science, 3.33 GPA *June 2020*
• Electives: Natural Language Processing, GPU Architecture, Embedded Systems

TECHNICAL SKILLS

Programming Languages:	Python, C, C++, Go, TypeScript, JavaScript, HTML, CSS, Web Assembly
Data Science Frameworks:	SciKit-Learn, ONNX Runtime, PyTorch
Miscellaneous Proficiency:	Version Control, Regression & Unit Testing, Unix, Windows
Certification:	**SWIFT Yellow Belt, 2023** - Software Craftsmanship, Intel Corporation

WORK EXPERIENCE

Teaching Assistant ***April 2023 - June 2023****, September 2021 - June 2022*
University of California, Riverside — Computer Science & Engineering Dept

- Led discussions & generated material for Embedded Systems courses totaling over 600 students
- Implemented AVR to Arduino lab kit migration which reduced lab kit costs by 66%, streamlined software setup process, and eliminated the need to configure virtual machines on students' computers.
- Refreshed lab assignments from term to term, which ensured students were working on up to date and relevant problems. Example assignments included a Wordle clone and a Music Player.

Software Engineer Intern *May 2022 - December 2022*
Intel Corporation — San Diego, California (Remote)

- Collaborated with a small team on training supervised machine learning models in a simulator for a confidential product where my contributions significantly improved accuracy at no cost to speed.
- Enhanced data ingestion process to allow for additional analysis with minimal impact to throughput.
- Followed software engineering principles: testing, version control, object-oriented programming.
- Wrote documentation & tutorial to ensure work was properly transferred to team at the end of the internship.

PROJECTS

T3rra-Viz
full-stack web application with machine learning

- Classifies Iris Flower Species using XGBoost, a state of the art machine learning model.
- Cross language machine learning where the Training pipeline is in python, but inferences natively in the client's browser.
- Built on top of create-t3-app and T3 stack(TypeScript, NextJS, TailwindCSS) with ONNX Runtime integration via Web Assembly (WASM).