John Gries

(949) 324-2033

jgries@uci.edu

Education

University of California, Irvine - Irvine, CA   June 2026

B.S. in Computer Science

Specialization in Artificial Intelligence

GPA: 3.72

Technical Projects

Personal Website   Present 2025

Leader

- Working alone to create a website to archive past personal projects.
- Learning JavaScript, CSS, and HTML to develop the website completely from scratch, to hone both front-end and back-end development skills.
- Website located at: https://john-t-gries.github.io/website/

Reinforcement Learning in Minecraft   March-June 2025

Co-leader

- Worked with a group of 3 to create an AI in Minecraft capable of solving parkour courses.
- Implemented using Python's Reinforcement Learning libraries such as torch, in combination with techniques such as DQNs, Replay Buffers, and Frame Stacking.
- Our agent was capable of learning the best policies for many different complex courses.

Search Engine/Web Crawler   January-March 2025

Co-leader

- Worked with a group of 3 to design and implement a search engine for UCI.
- Implemented a search engine in Python using a multithreaded crawler, creating a system that acquired, processed, and indexed web pages, ranking and evaluating them for precise query results.
- Created a search engine from the ground up capable of indexing and ranking 2000+ pages with query times less than 200 ms.

Machine Learning for IMDb Reviews   September-December 2024

Co-leader

- With a group of 3, implemented a machine learning model utilizing Python and sklearn, which tokenized IMDb reviews, training a model with a data set of 25,000 reviews.
- Classified 25,000 testing set data as positive or negative with an accuracy of 88%.

Additional Experience

Wild Rivers, Irvine, CA   Summer 2022-2023

Customer Service Assistant

- Worked as a front entry attendant, responsible for the safety/security of the park by inspecting bags.
- Duties included checking bags for prohibited items, answering customer questions/concerns, all while maintaining a friendly demeanor.
- Ensured a safe and enjoyable environment for our over 1,500 daily visitors.

Technical Skills

Languages: Python, Java, C, C++, SQL, Prolog, Lisp, Shell Scripting

Tools: VSCode, JetBrains IDEs, Git, TensorFlow, PyTorch, Tkinter

Concepts: Data Structures, Algorithms, Databases, Machine Learning