Maxwell Cole

Boise, ID | max.cole4444@gmail.com | (208)-841-6469
Portfolio: bit.ly/MaxCole | GitHub: github.com/MaxwellCole9

Skills

Programming Languages: C/C++, Python, HTML, CSS, MASM, JavaScript, SQL
Artificial Intelligence & ML: PyTorch, TensorFlow, Wandb, Neural Network design, unsupervised learning
Software Development & Tools: Git/GitHub, VS Code, Android Studio, database design, CI/CD pipelines
Web & UI Development: Full-stack development, SEO & Performance optimization, RESTful APIs
Other: OpenGL, data visualization, AI & search algorithms, Agile/Scrum methodologies

Education

Oregon State University | Computer Science - Artificial Intelligence | 3.48 GPA | Graduated March 2025
Riverstone International School | International Baccalaureate Degree | Graduated June 2020

Projects

Protobiota

Built a modular artificial life simulation in C++/C#, enabling customized genetic mutation and adaptive behavioral modeling in microbiological systems. Implemented algorithmic models inspired by evolutionary processes to simulate learning and adaptation over time.

Sequence-to-Sequence Translator

Developed a German-to-English translator using autoregressive recurrent neural networks, trained on the Multi30k dataset for sequence-to-sequence translation. Implemented an encoder-decoder architecture using PyTorch and Tensorflow with focus on training optimization and language modeling.

Property Count Scraper

Worked with a national company to develop a web scraper using Python and Selenium to extract property data from vacation rental websites. Focused on data accuracy, automation reliability, and cross-site compatibility.

Experience

Against | May - August 2024

Interned with a Boise-based creative services company, contributing to web development and digital content for local and national clients. Supported marketing strategy through data analysis and campaign planning. Continued work with Against on select freelance projects following the internship.

MX.CO Freelance Design | Ongoing – began April 2020

Led freelance research, development, and design projects spanning data automation and AI integration. Developed AI features for client engagement platforms and user-focused solutions across technical and visual domains. Managed communication, implementation, and delivery independently.

Cross Town Movers | June – September 2021 -2024

Operated commercial moving vehicles to relocate residential and commercial property efficiently and on schedule. Managed on-site coordination, customer transactions, and communication between crews and dispatch. Trained new team members in operations and safety procedures.

Honors & Awards

Dean's List | Oregon State University | Spring 2023 & 2024
Outdoor Leadership Award | Riverstone International School | June 2020