

Alex Remington Moran

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ABOUT

I am a second-year student at Milwaukee School of Engineering. I am pursuing a Computer Science Major along with a Physics and Mathematics Minor. I am on track to graduate in the Spring of 2023.

PROJECTS

Transfer Learning | Python | Using ImageNet and TensorFlow

Pac-Man AI | JavaScript and Java | Using Neural Networks with the NEAT Algorithm

Chemotaxis | JavaScript | Using the Genetic Algorithm

Web Scraping | Python | Using Selenium and BeautifulSoup

Dungeon Crawler | C++ | Supporting non-Euclidian geometry

Modular Obstacle Course | Lua | Using engine specific event calls and services

WORK EXPERIENCE

Coding Instructor | Coding Minds | Remote | Irvine, CA August 2021 – Present

- Teach students practical C# and Lua using the Unity and Roblox engines

Computer Programming Instructor | MSOE | Milwaukee, WI October 2020 – May 2021

- Taught students loops, conditionals, and spatial relations in a 2D environment

Customer Service Associate | Target | Apple Valley, MN September 2018 – August 2019

- Identified customer needs and quickly provided solutions

EDUCATION

BS: Computer Science, Minors in Physics and Mathematics September 2020 – Present

GPA: 3.62 | Milwaukee School of Engineering | Milwaukee, WI

High School Diploma September 2016 – May 2020

Cum Laude | Rosemount High School | Rosemount, MN

INVOLVEMENT

Operations Coordinator | MSOE Artificial Intelligence Club (MAIC) February 2021 – Present

- Organize AI related events on campus and virtually
- Leading the Pose Recognition research team
- Innovation award winner for the MSOE Chess AI Hackathon
- NVIDIA DLI Certificate for Fundamentals of Deep Learning

Data Science Team Member | VEX U Robotics October 2021 – Present

- Image recognition using OpenCV and a depth sensing camera

Controls Sub Team Member | NASA Robotics Mining Competition (RMC) September 2020 – Present

- Front end development using Node.JS and OpenMCT

Web Development Team Member | Society of Software Engineers (SSE) November 2021 – Present

- Website Development for SSE using Ruby

Founding Member/Secretary | MSOE Lifting Club May 2021 – Present

- Coordinate Events and encourage fellow students to stay fit

SKILLS

Artificial Intelligence • Machine Learning • Computer Vision • Git • SSH • Linux • VM • Jupyter Notebook