

Simon Perryman

simon.perryman2@gmail.com • 248-410-5632 • Ann Arbor, MI • www.simonperryman.tech

EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor of Science in Engineering in Computer Science Engineering

June 2023

GPA: 3.724 /4.0

Coursework: Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Autonomous Robotics, Discrete Mathematics, Calculus, Physics

INTERNSHIP EXPERIENCE

Michigan Institute for Neurological Disorders

Farmington, MI

Medical Intern

January 2020 – June 2020

- Composed professional medical records, submitting patient reports using Kareo Clinical software
- Assisted in several steps of patient questioning, diagnosis, and administering treatment

ORGANIZATIONS

MHackers

Ann Arbor, MI

- Used Python's pandas library to write a machine learning algorithm that could help to identify cases of Alzheimer's in new fMRI scans after being trained on over 1000 previous examples
- Functions cleaned data, trained algorithm, established evaluation criteria, and tested new cases

Michigan Student Artificial Intelligence Laboratory

Ann Arbor, MI

- Learned fundamental principles of AI such as training, natural language processing, and ethics
- Presented and listened to discussions on emerging uses of AI and machine learning in the world today

PROJECTS

- PCA facial recognition detection, machine learning algorithm using eigenvalues and matrix transformations to train algorithm to correctly identify a person from a subset of training data
- Breadth and Depth first search implementations of 2D and 3D graph search
- Implemented backend of pairing heap priority queue, utilizing it to simulate game
- Interactive timestamp, keyword, and category search of log files implemented with hash tables
- Shortest path finder using Kruskal's algorithm and branch and bound with pruning

WORK EXPERIENCE

Invisible Fence Brand

Rochester, MI

Service Technician

May 2020 – August 2020

- Installed new equipment, troubleshoot control panel, repaired breaks in existing wire and explained operation and routine maintenance protocols to customers to ensure optimal use and performance
- Led the company with the most individual positive google reviews with over 60 (June and July)

Soul Cafe – Friendship Circle

West Bloomfield, MI

Server

May 2021 – August 2021

- Managed multiple tasks at once while monitoring dining room to guarantee optimal guest experience
- Increased restaurant sales through suggestions and recommendations

SKILLS

- C / C++
- JavaScript
- Machine/Assembly
- HTML5
- Python
- MATLAB