

RETT A. GRAHAM

rettg@umich.edu | (231) 735-6310 | [linkedin.com/in/rettg](https://www.linkedin.com/in/rettg)

EDUCATION

University of Michigan

Bachelor of Science in Computer Science

Ann Arbor, MI

Aug 2020-Dec 2023

Northwestern Michigan College

Associate of Science and Arts – Phi Theta Kappa Honor Society

Traverse City, MI

Aug 2018-May 2020

EXPERIENCE

Desai Accelerator

Senior Software Developer Intern

Ann Arbor, MI

May 2023-Aug 2023

- Involved in the competition in 40+ projects to help companies design, implement, and strategize processes for the business.
- Developed architecture for automated social media ad videos using ReactJS which reduced resources marketing and enabled it towards productivity and growth

Entrepreneurships Leadership Program (ELP 8)

Cohort Fellow

Ann Arbor, MI

Oct 2022-Current

- Learning leadership, managerial, and functional skills during our in-class activities, from our matched mentors, and our excellent professors who own a start-up company

NOME Laboratory (University of Michigan, College of Engineering)

Research Assistant

Ann Arbor, MI

Feb 2021-Jan 2022

- Implemented an image processing algorithm in Python to automate scale-bar image data extraction for future lab implantations while supporting a database of over 250+ scale-bar images
- Assisted in a machine learning algorithm for automating labels in nuclear cavity images by helping develop small components like, generating cavity masks of distorted cavity images

MPowered Entrepreneurship (Flagship Student Entrepreneurship Org.)

Director of Innovation Challenge

Ann Arbor, MI

Apr 2022-Oct 2022

- Coordinate and marketed Innovation Challenge resulting in 100+ attendant event with students from all 19 colleges at the University of Michigan

PROJECTS

Sorting Visualizer – Personal Project

HTML, CSS, JavaScript

- Implemented 6 core sorting algorithms that visualizes elements from an array being sorted in real-time. This project strengthened my understanding of core sorting algorithms.

Pathfinding Visualizer – Personal Project

HTML, CSS, JavaScript

- Implemented depth-first-search pathfinding algorithm that is visualized on a grid. This project strengthened my understanding of core pathfinding algorithms.

NBA Game Predictor – Personal Project

HTML, CSS, Python, ReactJS

- Developed a game predictor utilizing a logistic regression machine learning model to forecast NBA game outcomes eliminating the need to watch games just to see if my favorite team would win. I used techniques in data scraping, Flask APIs, and working with machine learning models.

Instagram Clone – Course Project

HTML, CSS, Python, SQL, ReactJS

- Coded a dynamic client-side instagram clone. Features include like-buttons, navigation-buttons, and a comment bar that updates instantly on interaction, an infinite scroll mechanic, and more.

SKILLS

Programming Languages: C++, C#, HTML, CSS, JavaScript, Python, SQL, ReactJS, React Native

Engines & Technologies: Scikitlearn, Opencv, Matplotlib, PIL, NumPy, SQLite, Remotion