RETT A. GRAHAM

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EDUCATION

University of Michigan **Ann Arbor, MI**
Bachelor of Science in Computer Science *Aug 2020-Dec 2023*

Northwestern Michigan College **Traverse City, MI**
Associate of Science and Arts – Phi Theta Kappa Honor Society *Aug 2018-May 2020*

EXPERIENCE

Desai Accelerator **Ann Arbor, MI**
Senior Software Developer Intern *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) **Ann Arbor, MI**
Cohort Fellow *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) **Ann Arbor, MI**
Research Assistant *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.) **Ann Arbor, MI**
Director of Innovation Challenge *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