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EDUCATION

University of Rochester   Rochester, NY
Bachelor of Science in Computer Science, Minor in Business Management   *December 2023*

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Mobile App Development (Android), Artificial Intelligence, Database Management, Introduction to Data Science, Computational Statistics, Linear Algebra, Web Programming, Design and Analysis of Efficient Algorithms.

EXPERIENCE

Information Technology Department, University of Rochester   Rochester.NY
Technical Assistant   *August 2019 - Present*

- Provided support to faculty and students through phone, email, and on-site.
- Diagnosed technical issues related to University network and technology assets.
- Maintained a secure channel for file-sharing services between faculty and students.
- Collaborated with peer assistants to manage ongoing tasks on **Jira**.

STEM-Away   Remote
Natural Language Processing Intern   *June 2021 - August 2021*

- Collected and analyzed Discourse Hub Community data to build a forum post recommendation system.
- Used Decision-trees, text-classification, and Feedforward-neural-network to classify posts with 83% accuracy.

Department of Computer Science, University of Rochester   Rochester, NY
Workshop Leader   *January 2021 - May 2021*

- Facilitated recitations of 15 students by reviewing core concepts covered in lectures.
- Led discussions to find alternate solutions to the workshop problems.
- Provided personalized feedback to improve students' **Java** programming skills.
- Engaged with concepts outside the class that have improved course retention rate by 80% with.

PROJECTS

Self-driving Car
Summer 2022 — github.com/3bdrahman/Self-driving-car

- Designed a 2-D representation of traffic, controls, sensors, and collision detection using **Vanilla JavaScript**.
- Implemented a multi-level feed-forward neural network that output controls using wights and biases inputs.
- demonstrated the processes of the Neural Network with a Visualizer section.
- Improved the neural network performance by adding **Parallelization** of the model and **Mutation** of the inputs.

Amazon Clone
Summer 2022 — github.com/3bdrahman/Clozon

- Built a ReactJS Amazon clone with Firebase Authentication, Firestore Database, React Router, React Context.
- Added Stripe payments functionality using the **Stripe** API

Airbnb UI Clone
Summer 2022 — github.com/3bdrahman/Airbnb-clone

- Created a UI clone of Airbnb using **NextJS**, **Tailwind** CSS.
- Illustrated listed stays using **Mapbox** API.
- Represented stays and locations with dummy APIs hosted on JSON Keeper.

Sorting Algorithms Visualizer
Summer 2022 — github.com/3bdrahman/SortingVisualizer

- Used React and React Components to represent the Sorting problem.
- Implemented **Bubble Sort**, **Insertion Sort**, **Selection Sort**, and **Merge Sort** using JavaScript.

PROGRAMMING SKILLS

- **Languages**: Java, JavaScript, Python, C.

- **Technologies**: HTML, CSS, ReactJS, NextJS, ExpressJ, MongoDB, jQuery, XML, Bootstrap, Git, Android Studio, Firebase.