

Austin Ramsey

Software Engineer

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PROFESSIONAL EXPERIENCE

LOGIC SOLUTIONS

Plymouth, MI

Front-End Software Engineer

2022-Present

- Collaborated with a team of developers to add new features to the Blue Cross Blue Shield mobile app UI
- Debugged and fixed issues in the app's UI to improve user experience
- Utilized agile methodologies to ensure efficient project management and timely delivery of updates
- Conducted regular code reviews to maintain code quality and ensure adherence to coding standards
- Worked closely with product owners to gather requirements and ensure that development aligned with business goals

AMERICAN PROFICIENCY INSTITUTE

Traverse City, MI

Full Stack Software Engineer

2019-2022

- Spearheaded database maintenance and upgrades to ensure optimal system performance and data accuracy
- Developed cutting-edge tools to support the external sales team, increasing sales productivity and efficiency
- Demonstrated exceptional problem-solving skills by expertly troubleshooting complex technical issues, earning praise from management and colleagues
- Successfully upgraded the web application for the quoting system, resulting in increased user satisfaction and streamlined workflows

SKILLS

Programming Languages

- Python, C/C++, C#, Swift, Typescript/NativeScript, HTML, CSS, SQL

Frameworks

- Angular, React, TensorFlow, Keras, PyTorch, Cuda, YoloV8, ROS

Libraries

- Scikit-learn, NumPy, Pandas

EDUCATION

LAWRENCE TECHNOLOGICAL UNIVERSITY

Southfield, MI

Master of Science, Major in Computer Science; Focus in Artificial Intelligence

2020-2022

LAWRENCE TECHNOLOGICAL UNIVERSITY

Southfield, MI

Bachelor of Science, Major in Computer Science; Minor in Mathematics

2017-2020

PROJECTS

- Deep Steer: Developed a deep learning model for real-time steering angle predictions on unmarked roads using pre-trained CNN and DNN networks, achieving MAE of 4.25 degrees on unseen test route dataset.
- Deep Steer 2: Developed a deep learning model for real-time steering angle predictions on unmarked roads using pre-trained CNN, RNN, and DNN networks, achieving MAE of 3.82 degrees on unseen test route dataset.

ADDITIONAL INFORMATION

Publications

- Giuseppe DeRose Jr., Austin Ramsey, Justin Dombeki, Nicholas Paul ,Chan-Jin Chung. “Autonomously Steering Vehicles Along Unmarked Roads Using Low-Cost Sensing and Computational Systems.” MDPI Vehicles Journal, 2023.
- Oriehi Anyaiwe, Austin Ramsey, David Fawcett. "New Routines for Faster Balancing of AVL Trees." SAI Computing Conference London, 2023.

Certificates

- TensorFlow Developer Certificate, TensorFlow
- Certified Scrum Master, 3Back