IBRAHIM MOHAMMED ALDARRAJI

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EDUCATION

George mason University, Fairfax, Virginia   **August 2023 – December 2025**

- *Computer Science, BS*
- *Related coursework: Essentials of Computer Science, intro to Programming, object-oriented Programming, software usability/ design, Data Structure, Intro to Low-Level Programming, Software Testing and Maintenance*, Probability & Statistics for *Engineering*, Formal Methods and Models

SKILLS

Programming Languages: Python, Java, JavaScript, C, CSS, HTML, Octave, R, C++, MySQL
Tools and Frameworks: Node.js, React.js, PHP, JUnit, Selenium, Jest, Git, Microsoft Office Suite, Cloud Technologies, Agile, VMware
Operating Systems: Linux, Windows, macOS, Unix

EMPLOYMENT

Krasnow institute for Advanced studies, Fairfax, VA   **October 2023 – June 2024**
Software development intern

- Collaborated with leading experts in cognitive psychology and neuroscience to create cutting-edge software solutions.
- Contributed to groundbreaking research efforts focused on enhancing our understanding of mind, brain, and intelligence.
- Played a pivotal role in driving innovation by developing code that bridged the gap between these two fields.

All in One Auto Group, Chantilly, VA   **April 2021 – August 2023**
Service Advisor

- Overseeing and managing the service center's scheduling and workflow.
- Consulting with technicians about needed repairs and alternatives that can be offered in place of expensive repairs.
- Maintaining positive customer relationships to ensure repeat business.
- Ensuring all details on services rendered and costs are related to customers and processing their payment.

PROJECTS

SpeedBrief - Quick Auto News (Media Stack API, Node.js, HTML, CSS, JavaScript, Git, Vercel):

- Developed a web platform leveraging the MediaStack API to aggregate and display real-time automotive news, enhancing user engagement with fresh, relevant content.
- Employed Node.js for backend operations, along with HTML, CSS, and JavaScript to create a responsive and dynamic user interface.
- Implemented a custom-built page flipper for intuitive navigation, ensuring seamless user interaction across various devices and screen sizes.

MemoryForge - Collaborative Memory Assembly Tool (Java, Trees, Graphs, HashMap, Sets):

- Actively contributed to the development of MemoryForge at the Krasnow Institute, utilizing Java and advanced data structures to optimize memory management algorithms.
- Engaged in extensive frontend and backend development, participated in critical design discussions, and collaborated with a multidisciplinary team to enhance tool functionality and reliability.
- This project showcased the practical application of complex data structures and algorithms in developing software that improves cognitive research methodologies.