

Adam Ali

Automotive Software Engineer

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Hello!

I'm a driven automotive software engineer. When elementary me discovered the command-line, a newfound joy connected with my affection for cars to put me on track for a career fit for the future of mobility.

Skills

- Agile
- Micro-services
- Cloud API
- Containerization
- ASIL, CAN, V2X
- C/C++
- Python
- JSON, YAML
- Linux
- QNX

Projects

Vehicle Detect
2018
Applies computer vision and machine learning to detect vehicles in images.

Automobile Components Database
2018
Design concept for an automotive manufacturing database.

68K Disassembler
2018
Decompiles binary back into Motorola 68K assembly instructions.

Education

University of Washington Bothell

BS Computer Science & Software Engineering

2018

Career

NVIDIA
Functional Safety Engineer
2018 - Present

Collaborated with international NVIDIA DRIVE® OS teams and partners to design, implement, test, document and maintain complex tools for AUTOSAR and ISO 26262 functional safety compliance.

Coursework

Hardware and Computer Organization
2018
Learned about state machines, register models, memory and system architecture.

Network Design and Programming
2018
Examined OSI architecture, TCP/IP protocols, packet switching, routing, and load balancing.

Operating Systems
2017
Examined desktop and embedded operating systems, including process management and resource allocation.

