Dara Heydarpour
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Summary
Computer Engineering graduate with 1.5 years of experience in software development and QA automation, specializing in AI testing and cloud infrastructure. Proficient in Python and C/C++, with a solid foundation in Linux systems and performance optimization. Certified in Oracle Cloud AI Foundations and Data Platform Foundations.

Education
BS in Computer Engineering
Rochester Institute of Technology (May 2025)

Work Experience
Intel Corporation – Software Engineer - IT Flex Services, Santa Clara, CA (May 2022–Feb 2023)
- Developed and implemented Python and C-based automation tools for server health monitoring, enhancing system reliability and reducing downtime by 30%.
- Validated Linux patch deployments and kernel configurations, ensuring optimal performance across enterprise cloud environments.
- Led test execution in Intel's private cloud, presenting critical system health metrics to senior leadership, driving informed decision-making.
InQi – QA/AI Engineer, Mountain View, CA (May–Aug 2024)
- Engineered Python automation scripts that cut test validation time by 25%, significantly boosting team efficiency.
- Identified and resolved critical issues within AI-powered features, improving user experience and cross-platform stability.

Projects
- **TI-IDE Autonomous Vehicle**: Developed an autonomous navigation system using MSP432, integrating sensor loops and conducting hands-on troubleshooting to enhance performance.
- **32-bit ALU Design**: Optimized Verilog-based processor components to reduce energy consumption, improving operational reliability under constraints.

Technical Skills
- **Programming:** Python, C/C++, Java, Swift, JavaScript, Verilog
- **Cloud & Automation:** Oracle Cloud Infrastructure, CI/CD, Bash scripting, Git
- **Testing & QA:** Automation, embedded testing, bug tracking, Agile methodologies
- **Databases:** MySQL, Firebase
- **Operating Systems:** Linux (Ubuntu/Debian), Windows, macOS
- **Specialized Tools:** CUDA, OpenGL, performance profiling

Licenses & Certifications
- Oracle Cloud Infrastructure 2025 AI Foundations Associate
- Oracle Data Platform 2025 Certified Foundations Associate
- Getting Started with Accelerated Computing in Modern CUDA C – NVIDIA

Athletics and Achievements
- 4 Year RIT Merit scholarship
- RIT Wrestling Team – 4 years
- 2x New York State Placer
- 2020 CA state qualifier; 3x CCS qualifier

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