```markdown # Dara Heydarpour

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## Summary

Detail-oriented Computer Engineering graduate with 1.5 years of hands-on experience in AI testing, QA automation, and cloud infrastructure. Proficient in C/C++, Python, and performance optimization on Linux systems. Certified in Oracle Cloud AI Foundations and Data Platform Foundations, with a passion for embedded systems and deep learning technologies.

## Education

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

## Work Experience

### **InQi – QA/AI Engineer, Mountain View, CA** (May–Aug 2024)

* Developed Python automation scripts, decreasing test validation time by 30% and enhancing efficiency in AI-powered features.
* Identified and resolved critical issues, contributing to a 25% improvement in user experience and cross-platform stability.

### **Intel Corporation – Software Engineer - IT Flex Services, Santa Clara, CA** (May 2022–Feb 2023)

* Designed and implemented Python-based automation tools for server health monitoring, streamlining alert validation processes by 40%.
* Validated and optimized Linux patch deployments, kernel configurations, and BIOS updates in enterprise cloud environments.
* Led test execution in Intel’s private cloud, delivering system health metrics to senior leadership.

### **Clique Inc. – Cofounder/Software Developer, Palo Alto, CA** (Jan–Aug 2021)

* Developed a full-stack mobile application using Swift and Firebase, facilitating user engagement and securing initial investment through strategic pitches.
* Managed product direction and release cadence, ensuring timely delivery of features and enhancements.

## Projects

* **TI-IDE Autonomous Vehicle**: Engineered an autonomous navigation system utilizing MSP432, optimizing sensor loops and troubleshooting physical components.
* **32-bit ALU Design**: Enhanced Verilog-based processor components to achieve a 20% reduction in energy consumption, ensuring reliability under constrained resources.

## Technical Skills

* **Programming:** C/C++, Python, Java, Swift, JavaScript, Verilog
* **Cloud & Automation:** Oracle Cloud Infrastructure, CI/CD, Bash scripting, Git
* **Testing & QA:** Test automation, embedded systems testing, Agile methodologies
* **Databases:** MySQL, Firebase
* **Operating Systems:** Linux (Ubuntu/Debian), Windows, macOS
* **Specialized Tools:** CUDA for accelerated computing, experience with embedded systems

## 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