

Cory Starks

Software Engineer

coryd.starks@gmail.com | [GitHub](#)

Sparks, NV
775-772-3441

TECHNICAL SKILLS

Languages: Java, Python, Shell, C#, C++, C

Technologies: Java CDI, Maven, Docker, Django, JavaFX, Apache Kafka, SQL, Junit, Git, Google Cloud Platform/CLI, GPT API, Linux, Windows/PowerShell, RHEL

Tools: IntelliJ, Visual Studio Code, Visual Studio, VMware Workstation, VNC Viewer, Chat GPT

PROFESSIONAL EXPERIENCE

Sierra Nevada Corporation

Software Engineer 2

Sparks, NV

Dec 2021 - Current

- Developed an intuitive GUI that improved mission completion time by 60%, significantly reducing operational costs
- Refactored the Kafka message bus architecture, reducing the API scope by 80% and decreasing latency to ~1 ms
- Engineered RF data visualization systems capable of operating displays at a 60hz refresh rate using JavaFX/Netty
- Enforced new testing standards and optimized the existing frameworks, increasing code coverage by up to 20%
- Implemented high-level back-end data management processes using CDI, ensuring a scalable and modular code base
- Automated build process using Maven, resulting in faster building and consistent deployment across all environments
- Practiced CI/CD while designing automated testing and deployment strategy, improving release cycles/code quality

University of Nevada, Reno

Engineering Tutor

Reno, NV

Sept 2019 – Jan 2022

- Tutored students in CS courses such as Data Structures, Databases, and Algorithms
- Provided resources to students for the purpose of studying for major CS coursework

PROJECTS

Dance Studio Website | [Link](#) • [GitHub](#)

Lead Full-Stack Developer

Sparks, NV

May 2022 – Aug 2022

- Redesigned website to be static reducing costs by \$360 per year
- Adapted a modern look increasing conversion rate by 20%
- Designed and implemented the entire stack myself

Be Heard AI Speech Recognition | [GitHub](#)

Front-End API Developer

Sparks, NV

Aug 2021 – May 2022

- Implemented Levenshtein distance algorithm for scoring the speech of users
- Designed dynamic settings page back end and GUI

EDUCATION

University of Nevada, Reno

Bachelor of Science in Computer Science and Engineering

Reno, NV

Aug 2017 – May 2022

ADDITIONAL INFORMATION

Personal Interests: Weightlifting, Plants, Guitar, Pilates