

# Cory Starks

## Software Engineer

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

Sparks, NV  
775-772-3441

### TECHNICAL SKILLS

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

**Technologies:** Java CDI, Maven, Docker, Django, Git, JavaFX, Linux, Apache Kafka, Netty, SQL, Junit, GCP, GPT API, .NET, Windows/PowerShell, RHEL

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

### PROFESSIONAL EXPERIENCE

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#### 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/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 core Computer Science courses, including Intro CS, Data Structures, Databases, and Algorithms
- Provided students with practice problems, study guides, and examples to enhance understanding of key CS Topics

### PROJECTS

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

Lead Full-Stack Developer

Sparks, NV

May 2022 – Aug 2022

- Redesigned website to be static on GCP, reducing annual costs by \$360 and dramatically improving response times
- Utilized Bootstrap to modernize the website, focusing on mobile responsiveness, and increasing conversion rate by 20%
- Designed and implemented the full stack using HTML, CSS, JavaScript, and using Shell for automated deployment

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

Front-End API Developer

Sparks, NV

Aug 2021 – May 2022

- Implemented Levenshtein distance algorithm, providing a metric to track measurable improvements in speech quality
- Designed the back end and GUI for a dynamic settings page, using .NET framework to manage account settings
- Created the layer connecting the front-end GUI to the back-end database, ensuring intuitive interaction in the application

### EDUCATION

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#### University of Nevada, Reno

Bachelor of Science in Computer Science and Engineering

Reno, NV

Aug 2017 – May 2022

**Major Courses:** Linux System Administration, Database Management Systems, Automata and Formal Lang, Algorithms

### ADDITIONAL INFORMATION

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**Personal Interests:** Weightlifting, Running, Plants, Guitar, Pilates