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| Cory Starks  *Software Engineer*  [coryd.starks@gmail.com](mailto:Coryd.starks@gmail.com) | [GitHub](https://github.com/corstar52099?tab=repositories) | Sparks, NV  775-772-3441 |

**TECHNICAL SKILLS**

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

**Technologies:** Java CDI, Maven, Docker, Django, Git, Bootstrap, JSON, XML, 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** | **Sparks, NV** |
| *Software Engineer 2* | *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

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| **University of Nevada, Reno** | **Reno, NV** |
| *Engineering Tutor* | *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*](https://creativesparksnv.com/) *•* [*GitHub*](https://github.com/corstar52099/Creative-Sparks-Website) | **Sparks, NV** |
| *Lead Full-Stack Developer* | *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

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| **Be Heard AI Speech Rehabilitation |** [*GitHub*](https://github.com/JacobMcAllister/Be.Heard) | **Sparks, NV** |
| *Front-End API Developer* | *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** | **Reno, NV** |
| *Bachelor of Science in Computer Science and Engineering* | *Aug 2017 – May 2022* |

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

**ADDITIONAL INFORMATION**

**PersonalInterests***:* Weightlifting, Running, Plants, Guitar, Pilates