(712)-259-9405 [southd20@gmail.com](mailto:southd20@gmail.com)

Dakota K. South

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**Skills**

***Hard Skills:*** Java, Python, Javascript, React, Node.js, C#, .NET, C++, SQL, Git, HTML

***Soft Skills:*** Problem-solving, Communication, Adaptability, Time Management

**Employment**

***Software Development Intern Gallup | May 2022-Present***

* Designed a **responsive React UI** for DARPA that accessed an ML model through an API which displayed a prediction of food insecurity in a selected country based on variables the user set
* Developed a **.NET application** with C# to automate the company’s QA process

***Security Tech MercyOne | May 2020-Present***

* Worked on a team to log all patients and visitors that entered the building in an **Excel spreadsheet** which helped the hospital **mitigate the spread of COVID-19.**
* **Communicated to leadership staff** in other departments for our team when we needed information or resources

**Education / Involvement**

***Bachelor of Science University of South Dakota | Dec 2022***

* ***Major****: Computer Science*
* ***Minor****: Mathematics*
* ***Certificate****: Artificial Intelligence*

***President Code Club | Aug 2020-Present***

* Organize and lead weekly practices with challenging coding problems
* Qualified for the North American Division Championship (2021)
* Placed 13th in NCNA Regionals (2022)

***Member Association of Computing Machinery | Aug 2021-Present***

* Organization of CS students that learn about and discuss career resources

**Software Projects**

***Reddit Stock Ticker Search - Python***

* **Accesses the Reddit API** to scrape investing subreddits and compiles all recent mentions of stock tickers into a frequency list.
* Providescurrent data on each list item to help the user in making investment decisions.

***Weaver Puzzle Solver – Python***

* Uses a **breadth-first search algorithm** to find the most efficient solution to the word puzzle.