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Brookings, SD 57006

https://ahochha.github.io/portfolio

Austin Hochhalter

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Education

South Dakota State University, Brookings, SD
Bachelor of Science in Computer Science, Minor in Software Engineering

- **Graduation Date:** May 2020
- **Current Cumulative GPA:** 3.558
- **Honors:** Dean's List (4 semesters)
- **Activities:** Member and current Vice President of SDSU's Association for Computing Machinery club, CS tutoring

Skills and Qualifications

- Languages: *(Proficient)* - **C/C++**, **C#**, **Javascript/Typescript**, **SQL**, **HTML/CSS** *(Familiar)* - **Java**, **Python**, **Assembly**, **Pascal**
- Knowledgeable in **Git** and **Azure DevOps** source control.
- Well-practiced with agile development processes, specifically **SAFe (Scaled Agile Framework)**.
- Adept at creating/modifying **SQL** scripts and procedures using **SQL Server Management Studio**.
- Experienced with using **Unity** to code 3D games.
- Skilled with frameworks/technologies such as **ASP.NET Core**, **Angular**, **Ionic**, **Bootstrap, Xamarin,** and **Firebase**.

Work Experience

Daktronics, Brookings, SD
Software Developer, September 2018 to Present

- Developing and maintaining production level web applications using ASP.NET Core, C#, Typescript, and MVVM architecture as a student on Daktronics IT Software Development teams.
- In a recently completed project, I implemented file upload validators used to preserve data integrity in an application that stores employee pay data. Created the necessary tables, scripts, and controllers. Designed the file upload UI.
- Currently on a team developing a new application to manage employee time off. I've begun work focused on loading the application with data using existing time off tables and queries. Writing necessary scripts and controllers.
- Gaining agile development experience by participating in bi-weekly sprint planning and review meetings.

Rise United Media, Brookings, SD
Software Developer, September 2019 to Present

- In a group helping Rise United develop their mobile focused social media application as a senior design capstone project. Using Xamarin for cross platform development and Microsoft Azure to host web services.
- Currently saving user audio recordings to Azure Blob Storage and other relevant data to a SQL Server database.

South Dakota State University, Brookings, SD
Teacher's Assistant, August 2019 to December 2019

- Helped computer science freshmen learn how to code in SDSU's Intro to Computer Science Lab using Unity to implement a basic game. Involved helping students with their code, but also general college and CS questions as well.

Notable Projects   *Visit https://ahochha.github.io/portfolio for more projects.*

Java Compiler, January 2020 to Present

- Technologies Used: C#, Java
- Currently implementing a compiler using grammar from the Java programming language.
- The compiler reads one character at a time from a source Java program. Once a token is found, it is parsed for correct syntax. If the syntax is incorrect, an error message is output to the programmer. If an identifier token is found, the token is added to the compiler's symbol table. Work on semantic analysis and translation to Assembly code are still in progress.

Christmas Cookie Store, November 2019 to December 2019

- Technologies Used: Angular, Ionic, Typescript, SASS, HTML
- Developed using a mobile device for testing. Designed using mobile first methodologies and principles.
- The application featured pages for browsing cookies and a cart that allowed users to add, edit, and delete cookies before checkout.

"The best way to predict your future is to create it." — Abraham Lincoln