

# JOSHUA HALL, M.S.

## Seeking Full-Time Software Engineering Role

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GitHub: [dev-joshHall](https://github.com/dev-joshHall)

Portfolio website: [allaboutjhall.netlify.app/](http://allaboutjhall.netlify.app/)

LinkedIn: [linkedin.com/in/devjoshhall/](https://linkedin.com/in/devjoshhall/)

Dedicated software engineer with experience building full-stack and backend systems, APIs, and data-driven applications in production environments. I focus on writing reliable, maintainable software while continuously learning and building great teams.

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### RELEVANT WORK EXPERIENCE

#### **SOFTWARE ENGINEER:** December 2023-Present

Summit Technologies & E.L. Blake Corporation | Hill AFB, UT

- Developed .Net, SharePoint, SQL Server apps using Microsoft technologies/frameworks
- Coordinated tasks with high level product owners
- Developed/managed large software and databases

#### **SOFTWARE DEVELOPER CONTRACTOR:** June 2023-December 2023

Business Performance Systems | Remote

- Created a website testing grammar/interpreter to use advanced semantic, class, and hierarchical selectors on page models in TypeScript
- Used test driven development and SCRUM practices

#### **COMPUTER SCIENCE (CS) INSTRUCTOR:** December 2021-June 2023

iD Tech | Remote

- Taught and mentored individuals in many popular CS topics/languages
- Developed and deployed large projects (ex: chess app with engine, React websites, mobile apps, and data science projects)

#### **SOFTWARE ENGINEER INTERN:** August 2022-December 2022

Videru | Remote

- Helped double company customer base
- Developed targeted advertisement video software and reporting using Python Machine Learning libraries

#### **MACHINE LEARNING RESEARCH INTERN:** June 2020-August 2020

UVU College of Engineering and Technology | Orem, Utah

- Improved an AI model used to predict company stock prices
  - Created a faster and more accurate learning model (GRU)
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## SKILLS

### ENGINEERING STRENGTHS:

- **JavaScript** – Node, React (MERN), Express, APIs, TypeScript, NextJS
- **Python** – Machine Learning (Pytorch, Tensorflow, Keras), SOLID, Web-scraping, Regex, Data Analysis and Visualization (Numpy, Pandas)
- **C#** – .NET 4-6, .NET Framework, Web Services, MAUI, LINQ, XAML, Entity Framework and Migrations
- **Databases** – Database theory, SQL Server, MongoDB, NoSQL, Docker, Relational Databases
- **Java** – JavaFX, Object oriented programming
- **Low Level Programming** – C/C++, LC-3 low level programs, Socket-server
- **SharePoint** – Site Design, WebParts, Workflows, Shell scripting
- **HTML5** – Bootstrap 5, jQuery, EJS, CSS, SCSS, SEO
- **General CS**
  - Windows and Linux operating systems
  - Algorithms and data structures
  - Software principles, Agile development, SCRUM
  - Git version control, GitHub, Pull requests, Branching, CI/CD
  - Quality Assurance Principles, Unit Testing, End-to-End Testing
  - Networks, Wireshark
  - Email capturing with Paperclip
- **Miscellaneous** – Diagram Technology, Remote Work, Code Editors, Terminals and Shells, AI-Driven Development

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## EDUCATION

### MASTERS OF COMPUTER SCIENCE: UVU | January 2024-April 2026

- Published Research in Machine Learning Classification
- Advanced Algorithms, Statistics, and Mathematics
- 4.0 GPA

### GOOGLE CYBERSECURITY CERTIFICATE: Google | October 2023

### SOFTWARE ENGINEER BACHELOR'S DEGREE: UVU | August 2019-December 2023

- UVU "Programmer" Certificate
- Dean's List

### HIGH SCHOOL DIPLOMA (HONORS): Hurricane High School | May 2017

- Mathematics Sterling Scholar Winner
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