

**Zach Wilson**

801 726-5323

[zrw.dev@gmail.com](mailto:zrw.dev@gmail.com) | [linkedin.com/in/zatchwilson](https://www.linkedin.com/in/zatchwilson) | [github.com/zatchwilson](https://github.com/zatchwilson)

## EDUCATION

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### Bachelor of Science: Computer Science

*University of Utah, John & Marcia Price College of Engineering, Cum Laude*

Salt Lake City, UT

August 2021 - May 2025

### Related Coursework

Algorithms, Computer Systems, Computer Organization, Models of Computation, Databases, Computer Security

## TECHNICAL SKILLS

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**Programming Languages:** C#, C++, C, Java, Javascript, Python, MySQL

**Technical Skills:** Github, SQL, Pytorch, .NET, Django, Docker, EF Core

## EXPERIENCE

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### Georgia Tech Research Institute

Hill AFB, UT

*Research Intern*

*May 2024 – Present*

- Engineered a document indexing application featuring advanced search filtering in .NET, improving time to locate technical documentation by 3x
- Wrote and performed hundreds of unit and integration tests, mainly in C#, for the [LMOC](#) program
- Presented the completed document indexing application to the Air Force Major overseeing the LMOC program after conducting bi-weekly feedback sessions with product owners, resulting in approval for deployment

### Computing Undergraduate Student Advisory Board

Salt Lake City, UT

*Student Representative*

*Jan 2024– Jan 2025*

- Met with potential professors and new hires as a representative for the School of Computing
- Prepared reports on professors and lecturers when up for promotion or tenure, helping to gauge their performance while working for the school
- Worked with other school organizations to plan events for the 2000+ students within the School of Computing

### BMI Associates

Kaysville, UT

*Help Desk Technician/Programmer*

*May 2023– Oct 2023*

- Managed a help desk for software applications (Portfol, BMI Scan, BMI Query, etc.)
- Assisted dozens of clients across the country with software installation, troubleshooting, and bug fixes
- Worked heavily in IIS, creating and managing loan application sites for over 10 clients

## TECHNICAL PROJECTS

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### [Wispar](#) - Python, Javascript, Docker, MySQL

*Aug 2024 – May 2025*

- Standardized the Wispar deployment process using Nginx and Docker, improving time to test and deploy by 30%
- Configured specialized development containers for the Wispar, halving the time to test and review new features
- Created 5+ front-end templates, creating views and functionality for settings and upload pages

### [Gym-Scraping](#) - Python, SQLite

*Nov 2023*

- Created a Python web scraper, retrieving the live-count in the University of Utah's gym over 20 times a day
- Utilized SQLite to store the data, analyzing trends from hundreds of data points to determine the optimal time to work out