Zach Wilson
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EDUCATION

Bachelor of Science: Computer Science   Salt Lake City, UT
 University of Utah, John & Marcia Price College of Engineering, Cum Laude   August 2021 - May 2025

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

TECHNICAL SKILLS

Programming Languages: C#, C++, C, Java, Javascript, Python, MySQL
Technical Skills: Github, SQL, Pytorch, .NET, Django, Docker, SQL, EF Core

EXPERIENCE

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 members in the school of computing and engineering college

BMI Associates   Kaysville, UT
 Help Desk Technician/Programmer   *May 2023– Oct 2023*
- Managed a help desk for 3+ 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

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