

MATT WARD

Software Engineer

[linkedin.com/in/mattward6](https://www.linkedin.com/in/mattward6) 

mattw676@proton.me 

[\(385\) 204-4898](tel:(385)204-4898) 

Work Experience

Software Engineer

07/2018 - 05/2023

Henry Schein One

American Fork, UT

- ◆ Designed, engineered, tested, and maintained a large client-server desktop software suite called Dentrix, a market-leading Practice Management Software used by over 35,000 dental practices
- ◆ Developed C#/.NET software using Agile and TDD methodologies to build robust user interfaces, streamline data access and organization from file systems and databases, and seamlessly integrate with API endpoints, resulting in enhanced user experience and increased operational efficiency
- ◆ Revitalized an outdated billing software program with two other developers, now featured in Dentrix Magazine and widely adopted by dental offices and used to collect \$1B+ per year
- ◆ Reduced the generation time of a complex billing report using SQL to run over 10x more quickly
- ◆ Personally discovered a quick solution to a major customer-facing issue, which saved 2 calendar months of time and effort for 5 development teams each

Software Engineering Intern

05/2017 - 08/2017

The Church of Jesus Christ of Latter-Day Saints

Riverton, UT

- ◆ Gained exposure to full development life cycle through job shadowing over 10 roles including User Experience Design, Software Development, Test Automation, Database Management, DevOps, and Product Management
- ◆ Conducted manual testing of web applications to uncover edge cases and user experience issues; identifying, tracking, and analyzing bugs to avoid having issues released into production environment
- ◆ Participated in team planning, daily stand-up, and retrospective meetings, contributing ideas and collaborating with team members towards enhancing product delivery and meeting project goals

Computer Sales and Solutions Technician

07/2015 - 12/2017

USU Campus Store

Logan, UT

- ◆ Supported consumers in making informed decisions regarding the purchase of computers and other electronics
- ◆ Successfully completed technical support tasks including diagnostics, repairs, and installations for an extensive range of electronic items resulting in customer satisfaction rates above 95%
- ◆ Developed strong product knowledge regarding emerging technologies and software solutions, providing expert guidance and technical support to both novice and experienced consumers alike

Education

Bachelor's Degree Computer Science

05/2018

Utah State University

Logan, UT

Personal Projects

- ◆ **Car Comparison Tool:** Created a Python application to generate a spreadsheet to compare thousands of automotive listings, streamlining the process of finding ideal vehicles; successfully utilized during recent vehicle acquisition
- ◆ **Home Media Servers:** Established reliable and secure hosting solutions for over 20 applications, services, websites, media collections, and code repositories by leveraging self-managed servers within residence
- ◆ **Pi-Hole DNS Filter:** Configured and deployed a redundant network-wide content filtering system using a combination of Raspberry Pi hardware and Docker containerization technology for fail-safe blocking of online advertisements and tracking attempts while ensuring maximum protection against malware infiltration, lowering total web traffic by 25%

Skills

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|--------|----------|--------------|----------|
| ◆ .NET | ◆ CSS | ◆ Java | ◆ Linux |
| ◆ Bash | ◆ Docker | ◆ JavaScript | ◆ Python |
| ◆ C# | ◆ Git | ◆ JSON | ◆ SQL |
| ◆ C++ | ◆ HTML | ◆ LINQ | ◆ XML |