

# Justin D. Perez

SOFTWARE ENGINEER

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## Experience

### Cox Automotive Inc

Draper, Utah

SOFTWARE ENGINEER 1

June 2023 - Current

- Developed and maintained enterprise-level security software used by hundreds of software teams across the company.
- Streamlined integration with security tools by creating simplified upload processes and efficient defect retrieval methods. Increased security adoption by over 40%.
- Designed and implemented tools that generate comprehensive security status reports for more than 7,500 software components.
- Integrated security solutions with industry-leading vendors, including Veracode, NoName, and Wiz.
- Enhanced the overall security workflow, improving the user experience for software teams and optimizing security practices across the organization.

### Wavetronix

Salt Lake City, UT

SOFTWARE ENGINEERING INTERN

March 2022 - January 2023

- Developed and maintained a C# application that simulated traffic patterns, allowing users to design intersections and optimize layouts for traffic engineers.
- Created a C# application to process traffic simulation data, generating visual representations in graph form for easier data analysis and interpretation.
- Contributed to improving traffic design processes by making complex simulation data more accessible and understandable to engineers.

## Skills

### Programming

Java, C#, Python, Go, JavaScript, TypeScript, AWS, GitHub, Azure DevOps, Docker, MySQL, Bootstrap, ReactJS, ASP.Net Core, Selenium Web Driver

### Soft Skills

Strong leadership, communication skills, and critical thinking ability. Willing to learn new skills and am excited for new opportunities to learn.

## Education

### University of Utah

Salt Lake City, UT

B.S. IN COMPUTER SCIENCE

August 2019 - May 2023

- Spring/Fall, 2019-2023 - Dean's List
- Spring/Fall, 2019-2023 - Honor Roll

## Projects

### Huddle Up

Salt Lake City, UT

CORE MEMBER

Aug 2022 - May 2023

- Developed a group fantasy football web application focused on enhancing the team aspect of fantasy sports.
- Utilized React for building the frontend, with Tailwind CSS and Mantine for responsive and modern styling.
- Implemented a robust backend using Node.js, leveraging TypeScript for type safety and maintainable code.
- Designed and integrated a MySQL database using Prisma ORM for efficient data modeling and management.
- Managed version control and collaborative development using GitLab, ensuring seamless integration and deployment.

### Room Reserver

Salt Lake City, UT

CORE MEMBER

Aug 2022 - May 2023

- Developed a web scraper using Selenium Web Driver in JavaScript to automate daily reservations of study rooms at the University of Utah Marriott Library.
- Deployed the application on an Amazon EC2 instance for consistent and reliable automated scheduling.
- Streamlined the reservation process by automating repetitive tasks, saving time and ensuring availability of study spaces.