

Caleb R. Barzee

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Education

Bachelor of Science, Software Engineering

Brigham Young University - Idaho | Sep 2019 - Dec 2023 | **GPA: 3.75**

- Implemented modular solutions with Functional and Object Oriented paradigms enhancing reusability.
- Architected scalable software applications by designing encapsulated systems with loose coupling.
- Optimized efficiency of sorting algorithms to $O(n \log n)$ by refining control flow structure.
- Augmented project output with task coordination, API documentation, versioning, and CI/CD.

C++ | C# | Java | Swift | Kotlin | Python | TypeScript | Node | React | SQL | Git CLI

Work Experience

Full Stack Developer, *Subitt* | Jan 2024 - Present

- Improved frontend app extensibility by constructing granular React components.
- Architected a robust and loosely coupled backend with comprehensive test coverage.
- Designed and deployed a full-stack customer reviews feature.

Node | Express | MongoDB | Mongoose | Supertest | React | SCSS | Git CLI

Teaching Assistant, *Brigham Young University - Idaho* | Jan 2023 - May 2023

- Ensured curriculum efficacy for Swift and Kotlin courses through extensive testing and review.
- Enhanced student satisfaction by 20% by rectifying technical and content inconsistencies.
- Upheld content versioning accuracy with a Git-driven workflow in a configured IDE.

Swift | Kotlin | HTML | CSS | JavaScript | Git CLI

Web Developer & Graphic Designer, *City of Rexburg* | Jun 2021 - Apr 2022

- Elevated online revenue by 30x in 3 months via website design, development, and maintenance.
- Enhanced customer retention by 40% by refining UI/UX and creating a cohesive brand identity.
- Recruited 60+ volunteers through a new outreach program with non-profit partnerships.

HTML | CSS | JavaScript | Illustrator | Photoshop

IT Admin, *City of Rexburg* | May 2020 - Jun 2021

- Maintained a 99.9% uptime across Windows, MacOS, Android, and iOS devices.
- Systematically resolved all assigned hardware and software issues.
- Decreased user errors by 15% through adaptive instruction on enterprise applications.

Z Shell | Python

IT Technician, *Brigham Young University - Idaho* | Sep 2019 - Jun 2020

- Achieved a 97% customer satisfaction rate by promptly addressing issues across multiple platforms.
- Reduced repair time by 30% with effective process management and resource allocation.
- Diminished dead stock by 11% by refining inventory management and procurement advisory.

Projects

- **8-bit-gallery**: A React app for image manipulation, offering an engaging art quiz experience.
- **rapidBlogger**: Seamlessly converts markdown to websites enabling streamlined content delivery.
- **readMyRepo**: AI-driven repository analysis using LLM to boost personal codebase productivity.
- **build-a-bike**: A full-stack Swift app allowing users to compare bike part compatibility.