

# Zachary Peterson

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## Employment

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<b>Sterilization Technician</b>	<b>Klein &amp; Walker Orthodontics</b>	<b>January 2019 - April 2022</b>
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- Worked here in between semesters for a total of around 15 months.
- Operated and maintained sterilization equipment including steam autoclave and dry heat sterilizer.
- Decontaminated instruments and tools
- Performed weekly quality control checks on sterilization equipment

## Education

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<b>Rexburg, ID</b>	<b>Brigham Young University – Idaho</b>	<b>Expected 2024</b>
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- BS Computer Science
- GPA : 3.9/4.0
- Computer Science Specialty: Functional Programming Certificate
- Relevant course work: Object Oriented Programming, Data Structures, Parallelism & Concurrency, Algorithms & Complexity, Patterns in Functional Programming, Massively Parallel Computation

## Technical Experience

### Projects

- Developed a scalable package tracking back-end system in Erlang, utilizing an Erlang web server to communicate with a database, capable of handling multiple distinct request types, and fully unit tested.
- Built an iOS workout tracking application using the SwiftUI framework, enabling users to track workout data for each day with persistent data storage even after app is closed and reopened.
- Lexer and parser implemented using Rust for a simple programming language interpreter.
- Designed and developed a personal website utilizing HTML, CSS, and JavaScript, showcasing a developer portfolio with a focus on elegant design and intuitive user experience.

### Skills

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- Python, Erlang, Swift, JavaScript, Java, C++, MySQL, HTML, CSS,
  - Go(Beginner), Rust(Beginner), OCaml(Beginner),
  - Time Management, Attention to Detail, Flexibility, Analytical Thinking, Teamwork, Quick Learner

### Certifications

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- Microsoft Office Specialist(2017): Word, PowerPoint, Excel, and Master
  - Microsoft Technology Associate (2017): HTML5 Application Development Fundamentals

### Awards and Recognitions

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- Eagle Scout (2019)
  - Kansas CTE Scholar (2018): Award recognizes students who indicated a well-rounded demonstration of knowledge and skill according to experiences within career and technical education