

# Simon Cheek - Software Engineer

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## EDUCATION

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### Brigham Young University

*Bachelor of Arts in Music Composition*

### Computer Science Minor

*Vice President: BYU Developer's Club*

*Full Academic/Music Scholarship (Hinckley Scholar)*

Provo, Utah

2025 Expected Graduation

**3.99 GPA**

## TECHNICAL SKILLS

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**Languages:** Javascript, Typescript, Java, Python, SQL, HTML/CSS, C++, C, Dart

**Frameworks:** React, Next, Spring Boot, Bootstrap, Node, Express, MySQL, MongoDB, DynamoDB, Flutter

**DevOps:** AWS, Heroku, Vercel, Splunk, Github, Github Actions, Jest, Cypress, JUnit, NPM, Maven, Yarn, Docker

**Other:** Figma, Web Design, UI/UX, Data Structures, Algorithms, SEO, REST, GraphQL, Agile Methodologies

## PROFESSIONAL EXPERIENCE

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### Web Development Intern (FamilySearch)

*May 2024 - Present*

- Manage internal UI framework consumed by 10+ engineering teams using **React Typescript**
- Optimize custom Prerender service middleware (Express) to handle 10,000,000+ requests per month
- Enhance DevOps experience using Github Actions, NPM, Heroku, and more for 50+ developers
- Plan, counsel, and fulfill **Agile Methodologies** using Jira and knowledge of Software Development Lifecycle
- Design and edit new features on internal APIs through **AWS API Gateway and Lambda**
- Implement custom GraphQL server connecting React pages to our internal CMS platform

### Web Developer (BYU School of Music)

*November 2023 - May 2024*

- Manage internal video and audio streaming systems with **Javascript** used by 1000+ patrons
- Design and implement over 100 web pages using Brightspot CMS and HTML/CSS/JS
- Counsel with administration and faculty on marketing efforts, outreach, and more

### Teaching Assistant (BYU School of Music)

*June 2022 - December 2023*

- Assisted in class administration and teaching for Music Theory, Orchestration, Composition, History, and more
- Graded 1000+ essays, homework assignments, and exams
- Offered feedback to and tutored 100s of students for assignments and exam preparation

## PROJECTS - <https://github.com/Simon-Cheek>

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**Portfolio Website** - Designed in Figma, built using React, deployed automatically using Github/Vercel

**Recipes API** - Spring Boot / JPARepository API allowing users to register, save recipes, and sort by category

**Online Chess** - Full Stack CLI Chess App (Java) featuring authentication, websockets, encryption, and more

**Car Web Scraper** - Python script that scrapes KSL for car deals, performs linear regression analysis on mileage/price

**Gollab** - MERN (Full) Stack WebApp with authentication that allows users to set and track goals

**Stock Simulator** - Full Stack Next.JS Application with Automated Github Actions pipeline to AWS (Docker/ECS)