

# 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

*Full Academic/Music Scholarship (Hinckley Scholar)*

Provo, Utah

2025 Expected Graduation

**3.99 GPA**

## TECHNICAL SKILLS

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**Programming:** Python, C++, Javascript (Node.js, Express, EJS), Java, Dart, PHP, HTML/CSS, SQL, PHP

**Developer Tools:** MySQL, MongoDB, Bootstrap, AWS, Mac/Linux OS, Git/Github, IDEs, Restful APIs, Flutter SDK

**Other:** Data Structures/Algorithms, UI/UX, Responsive Design, Adobe, Microsoft Office

## PROFESSIONAL EXPERIENCE

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### Web Developer (BYU School of Music)

*November 2023 - Present*

- Coordinate with BYU Faculty/Administration daily to maintain over 100 web pages using Brightspot CMS
- Design and Implement web pages using **UI/UX** Design Skills
- Edit and format web pages as needed using **HTML/CSS/JS**
- Maintain building screen/promos using Wordpress backend (including Oxygen Plugin - **PHP**)
- Counsel with administrative team to outline and achieve marketing/outreach goals

### Teaching Assistant (BYU School of Music)

*June 2022 - December 2023*

- Assisted with administration of classes such as Music History, Theory, Composition, Orchestration, and more
- Monitored the Music Tech Lab and troubleshooted software and hardware errors
- Graded over 300 essays and assignments during each semester
- Taught classes and lectures as needed while tutoring hundreds of students in exam and project prep

## UNIVERSITY ORGANIZATIONS

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### BYU Developer's Club

*September 2023 - Present*

- Music Student Advisory Council (Area Representative, Recital Coordinator)

*August 2023 - Present*

- Performing Ensembles and Studios (Band, Orchestra, and more)

*August 2019 - Present*

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

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**Portfolio Website:** Uses Front-end languages to present an interactive music/software portfolio using Github Pages

**Web Crawler:** Crawls websites using Python Libraries (requests, bs4, matplotlib) and plots data, respects robots.txt file

**Comment Board:** Node.JS WebApp that incorporates CRUD operations using RESTful Routing and Embedded JS

**Minecraft Mod:** Uses Java to interact with Minecraft code base and alter gaming experience

**CatApp:** Uses Flutter SDK (Dart) to create an app where cats can be ranked and viewed