

Talmage Kay

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Work Experience

Head of Logistics

BYU-Idaho New Student Orientation — Rexburg, Idaho: *March 2024 – Present*

- Designed and maintained Python automation scripts to generate schedules and manipulate operational data, saving approximately one full week of work per semester.
- Collaborated with organizational leadership to identify workflow inefficiencies and propose technical improvements.
- Designed and deployed a full-stack scheduling system within two weeks, increasing student support capacity by 500% and enabling non-technical staff to manage operations independently.
- Worked remotely and asynchronously while coordinating with multiple stakeholders.

Selected Technical Projects

Walk Your Schedule Tour Signup — Rexburg, Idaho

March 2025 – April 2025

<https://wyst-7fe74.web.app/>

- Developed a web-based scheduling and signup system to support large-scale student tours.
- Designed for rapid deployment and ease of use by non-technical staff.
- Built and finalized within two weeks.

Technical Skills

Languages: Python, C#, JavaScript, HTML, CSS, MySQL

Tools & Technologies: GitHub, Google Apps Script, CustomTkinter, MySQL Workbench

Practices: Automation, rapid prototyping, UX-focused design

Languages: Fluent in French

Education

Bachelor of Science in Computer Science

Brigham Young University – Idaho — Rexburg, Idaho
July 2021 – April 2027

- Relevant coursework: Data Structures, Algorithms, Web Design and Development, SQL/NoSQL, Parallelism and Concurrency

Other Experience & Leadership

- Eagle Scout (Gold Palms): Organized and led a team of 30 to repurpose a computer lab at a charter school.
- Principal Violist, Northern Utah Youth Symphony.
- President, BYU-Idaho Computing Society Learning Team: Led approximately 1,000 members.

Counselor

For the Strength of Youth — Provo, Utah:
May 2024 – August 2024

- Led and taught groups of 30 teenagers in a multi-state program.
- Developed strong communication, leadership, and adaptability skills through instruction and travel.

Full-Time Missionary

Church of Jesus Christ of Latter-day Saints — Cotonou, Benin: *January 2022 – January 2024*

- Served as Zone Leader, mentoring and directing over 50 missionaries.
- Operated in a French-speaking environment, developing leadership and cross-cultural communication skills.

History Heros Jam — Rexburg, Idaho

October 2025

<https://ahballif.github.io/HackathonCardGame/>

- Co-developed a competitive puzzle-based card game during a 15-hour hackathon.
- Coordinated development between technical and non-technical peers and focused on gameplay mechanics and user experience.

Diploma

Green Canyon High School — North Logan, Utah
May 2021