

Ashlyn Hansen

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PROFESSIONAL EXPERIENCE

UIT Web Support Services & Usability Intern

JANUARY 2023- PRESENT

University of Utah - Information Technology, Salt Lake City, UT

- Collaborated with team members and external teams to design, code, and maintain front-end and back-end components of web applications hosted in a Modern Campus Content Management System
- Specialized in Database Web Applications in PHP/MySQL using efficient data management techniques.
- Responded to client support requests- largely including site styling, site migrations, database builds, form assembly forms, and general user experience and accessibility improvements.

Significant Projects:

- **Inventory system with administrative portal application** for team to manage client and website inventory and administer billing.
- Departmental Database Projects: Major Maps, UOnline Programs, Childcare Registration System

Personal Data and Empowerment Lab Assistant Researcher

NOVEMBER 2021- MAY 2022

University of Utah - School of Computing, Salt Lake City, UT

- Assisted Ph.D. researchers in collecting and classifying data in Human-Centered Computing based research
- Coresearcher of "Making Smart Hospital Rooms Useful" Project
- Conducted interviews; categorized and assessed data, created visualizations; presented project at ACCESS undergraduate research symposium 2022

EDUCATION

University of Utah, Salt Lake City, UT

EXPECTED GRADUATION: MAY 2025

3rd Year Software Development B.S. | Completed minor in Arts Technology | GPA 3.9

- Completed/Current Coursework: Intro Data Structures & Algorithms, Software Practice I & II, Web Software I & II, Database Systems, Calculus III

Significant Projects:

- **Chat Web Application** (2024): Messaging application utilizing test driven development, REST APIs, cloud deployment, certificates, user accounts and permissions. FastAPI & React JS Framework, Sqlite, Python
- **Sprite Editor** (2023): Interactive environment for drawing sprites with specialized tools. C++, Qt Creator
- **Avalanche Education App** (2023): Playful educational app allowing the user to recreate avalanches using Box2D Physics Engine and take quizzes to increase awareness of avalanches. C++, Qt Creator, Box2D
- **Learning Management System Web App** (2023): Implementation of a *Canvas*-like learning system with authentication, database storage, uploads, etc. Django MVC framework, Python, Sqlite, Bootstrap, jQuery, AWS
- **Spreadsheet App** (2023): *Excel* or *Sheets* like spreadsheet app focused on creating a Model-View-Controller development framework. C#, MAUI

SOFTWARE AND PROGRAMMING LANGUAGES

Programaming Languages: C++, C#, Java, Python, PHP, HTML, CSS, Javascript, SQL

Web Content Software: Modern Campus Content Management System, FormAssembly, PHPmyadmin

Adobe Software: Dreamweaver, Photoshop, Illustrator, XD, PremirePro

ADDITIONAL EXPERIENCE

InterVarsity Global Program Banja Luka, Bosnia

SUMMER 2023

- 5 week cultural exchange, significantly impacting my experience in cross cultural communications skills, interpersonal relationship building, and service/volunteer work.

InterVarsity Student Leader

FALL 2022- PRESENT

- Preparing materials weekly, and engaging students weekly in an educational and exploartive discussion group style study of the Bible. Consistent reliability in fulfilling all club leadership commitments.