Shelby Hagemann

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# Education

**BS** Northern Arizona University, Computer Science May 2023

In Progress

Minor in Mathematics

**BA** Northern Arizona University, Modern Languages May 2023

In Progress

Interdisciplinary German emphasis

# Honors and Awards

**Lumberjack Scholarship** 2018

A merit-based full-ride scholarship at Northern Arizona University.

**Best Essay in Section** 2019

An award for an essay on the roles of women in Abrahamic religions.

**Hooper Undergraduate Research Award** 2020

Funding for a research project on the effects of behavioral health mobile applications on first-generation college students.

**Jean Shuler Mini Grant** 2020

Funding for a research project on the effects of behavioral health mobile applications on first-generation college students.

# Research Experience

**Integrating Cultural Relevance into a Behavioral mHealth Intervention for Native American Youth**

Northern Arizona University CANIS Lab 2019 to current

Advisor: Morgan Vigil-Hayes

Position: Research Assistant

* Facilitated focus groups.
* Developed software for a mobile application.
* Conducted a literary analysis on related research papers.
* Co-wrote a research paper summarizing and discussing results.
* Presented results at the NAU Undergraduate Research Symposium (2020).

**The Effects of Behavioral Health Mobile Applications on First-Generation College Students**

Northern Arizona University CANIS Lab

Advisors: Morgan Vigil-Hayes, Ann Collier 2020 to current

Position: Principal Investigator

* Recruit participants for research study.
* Conduct interviews with research participants.
* Analyze results from research study pertaining to how first-generation students are impacted by behavioral health mobile applications.

# Publications

## Papers in Submission

Vigil-Hayes, Morgan, Futterman Collier, Ann, Hagemann, Shelby, Casillo, Giovanni, , Mikkelson, Keller, Dingam, Joshua, Muñoz, Andrew, Luther, Jade, and McLaughlin, Alexandra. “Integrating Cultural Relevance into a Behavioral mHealth Intervention for Native American Youth,” PACMHCI, vol. 5, CSCW1, April 2021.

# Presentations , Workshops, and Conferences

**Poster Presentation**, “ARORA: Using Augmented Reality to Gamify a Social

Emotional Learning Intervention,” SHERC Research Poster Presentation and Reception, 2019.

**Workshop**, “The Effects of Behavioral Health Mobile Applications on First-Generation College Students,” CSCW 2020 Workshop, 2020.

**Conference**, Grace Hopper Celebration of Women in Computing, 2020.

**Poster Presentation**, “The Effects of Behavioral Health Mobile Applications on First-Generation College Students,” National Conference for Undergraduate Research, 2021.

# Professional Training

**FERPA Training and Certification**

Northern Arizona University, Flagstaff, AZ, 2019

Description: Completed a course on and received certification for FERPA compliance.

# Extracurricular Activities

**Association of Computer Machinery (ACM)**

President, Flagstaff, AZ, 2019 to current.

**Women Who Compute**

Internship and Scholarship Chair, Flagstaff, AZ, 2019 to current.

**Alpha Omicron Pi**

Communications committee, Continuous Onboarding Recruitment Committee, Flagstaff, AZ, 2020 to current.

# Languages

**English**: Native Language

**German**: Advanced Listener, Intermediate Speaker, Advanced Reading and Writing at the B1.2 level.

# Computer Science Skills and Experience

**Programming** **Languages:** Python, C, C++, Java, MIPS Assembly, HTML, CSS, JavaScript, Flutter, Dart, SQL.

**Completed Courses:** CS 126 (Computer Science 1), CS 136 (Computer Science 2), CS 200 (Intro to Computer Organization), CS 212 (Web Programming), CS 249 (Data Structures and Algorithms), CS 315 (Automata Theory), CS 386 (Software Engineering), EE 222 (Intermediate Programming), EGR 333W (Technology in Society), CS 480 (Operating Systems), CS 350 (Intro to Databases)

**Courses in Progress**: INF 21110 (Data Mining: Basic Concepts, Uni Konstanz), INF 15310 (Advanced SQL, Uni Konstanz)

# Projects

**Personal Website (2020)**

I designed a personal website that displays my resume and various assignments that I completed for my web programming class using HTML, CSS, and JavaScript.

**“Journal Time” Mobile App (2020)**

I worked with a team of four other students to develop a mobile application for our Software Engineering class (CS386). We used Android Studio and AWS to develop a journal app, which is compatible with Android devices.