# RAYLYN PASCHEN-HARRISON

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## EDUCATION

### AUBURN UNIVERSITY, AUBURN, AL

BACHELOR OF SOFTWARE ENGINEERING
MINOR IN BUSINESS-ENGINEERING-TECHNOLOGY
GRADUATED MAY 2021

- **GPA:** 3.47/4.0
- **Relevant Coursework** – Operating Systems, User Interface Design & Evaluation, Product Design and Development, Algorithms, Data Structures, Quality Assurance, Process, Cloud Computing, Networks
- **Honors & Awards:** Featured in an article about women in CSSE in *The Auburn Plainsman*, J.L. Bedsole Scholar, Cater Lee Distinguished Scholar Award for Engineering Study
- **Clubs:** Association for Computing Machinery, Alpha Xi Delta sorority
- **Leadership:** Head Data Director for Alpha Xi Delta Zeta Xi chapter (2017 – 2020)

## PROJECTS

### AU DISK TOOL – FALL 2018

- A tool to monitor disk performance (I/O transfer rates) in a Linux system to assist in configuring the Linux system to achieve optimal disk I/O activity
- Developed in C++ for Linux

### BARTAB – SPRING 2020

- For a product development class, devised a mobile application called BarTab
- Oversaw the software aspect, formulated all of the specific technical features of the app
- Designed user interface and general application usability
- Researched and planned marketing strategies, cost minimization, monetization ideas, etc. all while gauging potential interest by surveying our intended market

### OPERATING SYSTEMS PROJECT – FALL 2020

- Implemented the interface between user-mode programs and the kernel in OS/161. My modified OS/161 is able to run multiple processes simultaneously by the System/161.

## ADDITIONAL SKILLS/EXPERIENCE

- Programming languages: Java, C, C++, Ruby, Assembly, Python, HTML, CSS
- Experience with: Windows, Mac OS, Linux, Microsoft Office, Adobe Suite, Fusion 360, vim/vi, gdb, ASP.NET
- Object-oriented programming
- Testing/debugging code
- Software development processes (i.e. SDLC, test-driven development, etc.)
- Business plan development: market research, marketing, product management
- Leadership and communication
- Cross-stitching and knitting ☺