

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 ☺