

FAY X. WHITTALL

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OBJECTIVE: Seeking a job as an entry-level software engineer

EDUCATION: **Worcester Polytechnic Institute (WPI)**, Worcester MA
B.S. in Computer Science with Data Science Minor, GPA 3.96, May 2021

Related Classes: Software Engineering, Algorithms (Graduate & Undergraduate), Database Systems, Object Oriented Design Concepts, Systems Programming Concepts, Object Oriented Analysis and Design, Foundations of Data Science (To be completed by May 2021): Data Mining, Machine Learning, Introduction to Artificial Intelligence

PROJECTS: **Brigham & Women's Hospital Pathfinding Application:** Participated in a nine-person team to develop an indoor pathfinding application for Brigham & Women's Hospital. Application included a map builder, a room scheduler, and integrated service requests. I acted as a software engineer and the project manager, contributing code to the application while managing project tasks, coordinating the team, and keeping all team members motivated.

Escape: Designed the back end of a board game. Allows for square and hexagonal boards, creation of different piece types with different movement and jumping capabilities, and different sets to rules for game completion.

Designing a Health Center in Dwenase, Ghana: Collaborated with three other WPI students, citizens in a rural Ghanaian village, and the health workers in the aforementioned village to recommend improvements to their local health center.

SKILLS: **Programming Languages:** Java, JavaFX, OracleSQL, Python, C, C++
Tools used: IntelliJ IDE, Eclipse IDE, GitHub, Taiga.io, Anaconda, HTML, CSS
Familiar with Agile development methodologies

EXPERIENCE: **Office Assistant at STEM Education Center** (May 2019 – Present)
Organized materials for professional development. Managed professional development events. Collected and assessed data on Massachusetts Schools and beyond using Microsoft Excel. Created materials for professional development using Microsoft Word and Powerpoint.

Research Assistant for Seeds of STEM project (Apr 2018 – Aug 2019)
Worked with WPI and the College of the Holy Cross in implementing an engineering curriculum in preschool classrooms. Assessed children's learning and teacher's knowledge of engineering.

ACTIVITIES: **Alpha Phi Omega** (Coed Service Fraternity), WPI, Jan 2018-Present
Member of Web Committee (Aug – Dec 2019)
SERVE (Mar 2019) – a weekend-long training session teaching and applying project management and delegation in a large group setting.