Jessica A. Houghton

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OBJECTIVE:
A driven computer science and design student seeking experiences in Human-Computer Interaction, UI/UX design, and Program Management

EDUCATION:

University of Michigan, Ann Arbor, MI | **GPA**: 3.8/4.0   **Graduation: Apr. 2022**
Major: Computer Science | **Minor**: Art and Design
Relevant Coursework: Web Systems (Full Stack Development), Human Computer Interaction, Computer Architecture, Operating Systems, Computer Security

WORK EXPERIENCE:

Microsoft, Remote Experience   **May 2020 - July 2020**
Explorer Internship, Visual Studio IDE Identity and Experience Team
- Identified pain points through forums, surveys, interviews, and competitive analysis to assess the context of use and user requirements for a new productivity feature
- Developed functional and technical specifications for Focus Mode, a productivity feature within Visual Studio designed to give Visual Studio users more control over their experience within the ide.
- Collaborated with two other interns to present customer development findings to VS Core leadership and socialized the idea among broader team members
- Contributed to the creation of the Focus Mode product, particularly the user interface elements, through software development in C# according to appropriately costed and prioritized tasks
- Continually evaluated the prototype development via user studies and consultation with the UX board

University of Michigan, Ann Arbor, MI   **Aug. 2019 -Present**
*Instructional Aide for Programming and Intro Data Structures, **Exam Team Lead***
- Serving as a peer advisor and educator for an intermediate programming class with an enrollment of 1,200+ students representing a variety of coding experience and socioeconomic backgrounds
- Instructing a weekly 2-hour lab session of 37 students to review lecture topics and practice concepts with hands-on projects
- Facilitating office hours and maintaining Piazza, an online forum for student questions
- Writing interesting and challenging exam questions to test students' understanding
- Managing exam logistics between staff, faculty, and student conflicts and supporting the development of an exam server tool to administer secure, randomized, online exams

entigenlogic™ (NLP and AI startup), Schaumburg, IL   **May 2019 - Aug. 2019**
Computer Science Intern, Knowledge Team
- Collaborated with a small team of industry professionals to produce an artificial intelligence engine that uses a proprietary data representation to process natural language
- Assessed potential database candidates and transformed extensive Geographic data using Python to efficiently import into the company's artificial intelligence engine, created a reliable strategy to maintain said data after the internship
- Developed and presented a cross-platform solution to compiling pertinent files for building consistent knowledge bases across machines
- Curated and presented a detailed analysis of a representative sample of customer data to contribute to an algorithmic filtering objective

ACTIVITIES:
- DEI Committee Chair, Phi Sigma Rho Sorority   Aug. 2020 - Present
- Alto Saxophone, Michigan Marching Band   Sept. 2018 - Present
- Panhellenic Peer Educator, Panhellenic Council   Jan. 2019 - Present
- 1931E Scholar Society   May 2019 - Present
- University of Michigan Triathlon Team   Aug. 2019 - Present

SKILLS:
- Languages: Python, C++, C#, C, JavaScript, HTML, CSS, Java
- Operating Systems: Windows, Windows subsystem for Linux (WSL)
- Software: Azure DevOps, GitHub, Adobe Suite, MS Office Suite, Google Suite