

# Amanda J Crawford

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## Education

**Master of Human Computer Interaction**  
Carnegie Mellon University

Graduating August 2021  
Pittsburgh, PA

**Bachelor of Science in Computer Science**  
Oregon State University  
Magna Cum Laude

June 2020  
Corvallis, OR

## Current Coursework

- User Centered Research and Evaluation
- Interaction Design Studio I
- Programming User Interfaces
- Persuasive Design
- Software Structures for User Interfaces

## Work Experience

**Software Engineering Intern**  
American Express

June 2019 - August 2019  
New York, NY

- Created a React.js based web User Interface to interact with and visualize data processing flow
- Worked on a nine-person development team to create a distributed data processing system that works in real time using Apache Kafka and Eclipse Vert.x to connect to the UI

**Undergraduate Research Assistant**

October 2018 – January 2020

Applied Cognitive Theory, Usability and Learning Research Laboratory

Corvallis, OR

- Undergraduate research assistant to Dr. Christopher A. Sanchez leading the creation of system requirements and user evaluations for a VR training system
- Research focus is on the Human Factors of using and designing technology and cognitive abilities in complex areas such as information retention and perception of shape size on mobile devices

**Software Engineering Intern**

June 2018 - September 2018

Intel Corporation

Hillsboro, OR

- Responsible for optimizing runtime unit tests using the Python multiprocessing module
- On an agile software development team developing cellular 5G modem software

## Skills

- Programming Languages: JavaScript, Java, HTML5, CSS, C, C++, Python, MASM Assembly
- Programming Frameworks: GitHub, React.js, Axios.js, Eclipse Vert.x, Apache Kafka
- Design Software: Figma, AdobeXD, Miro