

# MADISON MCCLELLAN

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## EDUCATION

### Northwestern University – Evanston, IL

Master of Science, Computer Science

- GPA: 3.92/4.00

Expected Graduation December 2022

### Vanderbilt University – Nashville, TN

Bachelor of Science, Computer Science

Bachelor of Science, Human & Organizational Development

- GPA: 3.85/4.00
- Dean's List for all eight semesters

Graduated May 2021

## WORK EXPERIENCE

### Apple – Cupertino, CA

UX Design Intern

- Developed a proposal to improve customer experience when interacting with Apple Support
- Created new metrics to quantify customer experience

June 2022 - September 2022

### Psych Hub – Nashville, TN

UX Design Intern

- Spearheaded a redesign of the learning management system to increase user retention
- Worked across and engineering and instructional design teams to prototype and test the new interface

January 2021 - April 2021

### Vanderbilt University Department of Computer Science – Nashville, TN

Teaching Assistant for CS 3265 (Database Management Systems)

- Conducted weekly office hours for 50 students
- Graded homework assignments, projects, and exams

January 2020 - April 2020

### Vanderbilt University Institute for Software Integrated Systems – Nashville, TN

Software Engineering Intern

- Worked under Dr. Gabor Karsai on the Model-Based Assurance for Autonomous Vehicles project
- Developed new method for generating synthetic training set data for cyber-physical systems

June 2019 - August 2019

## INVOLVEMENT

### Code Ignite – Nashville, TN

Team Leader

- Designed computer science curriculum for schools in the Metropolitan Nashville Public School district
- Led computer science lessons for students in grades five through eight

August 2018 - May 2021

### Science of Design for Cyber-Physical Systems Seminar – Nashville, TN

Member

- Funded by National Science Foundation grant NSF PIRE 1743772
- Explored the social impact of new technology through research papers, guest speakers, and discussions

January 2019 - December 2019

## SKILLS

**Programming Languages:** C++, Python, Java, JavaScript, HTML, CSS

**Technologies and Tools:** Git, MySQL, PostgreSQL, Vagrant, Ansible, Docker

**Frameworks:** Flask