

# MADISON MACAULAY

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## EDUCATION

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### Tuscaloosa, AL

### The University of Alabama

GPA: 3.54/4.00

B.S. in Computer Science with Concentration in Cyber Security & Minors in Mathematics & Cyber Criminology, May 2021  
Relevant Coursework: Software Design & Engineering, Data Structures & Algorithms, Microcomputers, Database Management Systems, Operating Systems, Computer Communications & Networks, Formal Languages & Machines, Programming Languages, Cryptography, Network Security

## EMPLOYMENT

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### Program Manager Intern

### United States Government

June 2020 – August 2020

Innovation Accelerator, Working in Classified Environment

- Led the reorganization of product management practices within the department
- Researched the implementation of 2 new concepts to masked learning models for ongoing classified project, one of which allowed the implementation of 100+ languages other than English (focusing on BERT & RoBERTa)

### Software Engineer Intern

### United States Government

January 2020 – June 2020

Embedded Devices, Working in Classified Environment

- Developed a software with a focus on network protocols & encryption, with the intent of improving speed of users by 20%; project halted by COVID-19 closure
- Owned high value bugs on Jira, & led code changes to improve reliability of classified projects

### Digital Product Manager Intern

### The Walt Disney Company

August 2019 – December 2019

Food & Beverage Digital Guest Experience Team (Celebration, FL)

- Owned feature launches & enhancements for mobile ordering at both DLR & WDW, increasing adoption at WDW resorts by 10%
- Produced 35+ in-app Adobe takeover projects across WDW & DLR, one with a CTR of 38%, highest of any Adobe takeover ran by Disney before
- Conducted 20+ user interviews during MVP testing for dining reservation self-check in, improving check-in speed by 20% & overall check-in experience by 15%

### Automation Co-Op

### Deshazo, LLC

August 2017 – May 2019

Custom Crane & Robotics Company (Bessemer, AL)

- Led 4-person team in implementation of new software to achieve 2D vision automation project of Toyota engine manufacturing inspection, improving client's inspection speed by 35%; Authored technical documentation for reprogramming & diagnostics
- Designed & programmed Human-Machine Interfaces for 10+ projects allowing the department to develop 20% more projects during the quarter

## PROJECTS

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**Guide to Justice App** (2020). Activism app focused on educating those on systemic racism & protest tips. On PM and User Experience team, writing & prioritizing user stories & epics, as well as interviewing users & conducting research.

**PMDojo Accelerator** (2020). 8 week program resulting in user tested MVP. Worked on improving efficiency of Google Classroom and meeting teachers growing needs.

**CS 200 Choc-An System** (2018). "Chocoholics-Anonymous" CRM. Project Manager through Unified Process Model. Resulted in well-functioning GUI & A in class. Java, UML class diagrams.

## ACTIVITIES

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### Fellow

### Rewriting the Code

August 2019 – Current

- Mentoring CS students navigating internships & professionalism; Summer 2020 Cohort Leader of 100+ college women

### Crisis Counselor

### Crisis Text Line

January 2018 – Current

- Undergone intensive training on good contact techniques for dealing with emotional crises, including mental disorders & traumatic experiences to help texters de-escalate their crisis & examine the best solutions & coping mechanisms

### Deaf Advocacy Group

### DEAF Hands Speak

August 2015 – Current

- Founding member, have served as President, Public Relations Officer, & Deaf Chat Coordinator
- Brought first ASL course to UA, UA recruiters to ASD, & provided training to all UAPD & Tuscaloosa PD officers

## SKILLS & INTERESTS

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Skills: C, C++, Python, SQL, NoSQL (MongoDB), JavaScript, Java, HTML/CSS, Adobe Analytics, JIRA, Confluence, Tableau, Excel, Jupyter Notebook, Git, Adobe Lightroom, Adobe Illustrator, Procreate

Interests: Conversationally fluent in American Sign Language, passionate about helping others, tech for social good, & accessibility