

# Adryana Hutchinson

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## EDUCATION

**Clark University, Worcester MA** - Expected May 2023

B.A in Computer Science & Philosophy, GPA 3.79

### Relevant Coursework:

Algorithms, Computer Networks, Network Security, Database Management Systems, IoTs (Internet of Things), Programming Languages, Automata Theory, Robotics & Intelligent Systems, Fair Games, Tech Ethics & Public Policy

## RESEARCH EXPERIENCE

### Senior Thesis — Clark University

October '22 - Present

*Mentor: Dr. Peter Story*

- Topic: Continuing the work I did on password managers, I am further exploring the accessibility and usability concerns of password managers, focusing on their compatibility with screen readers and how to make password managers more usable.

### Research Assistant — Clark University

Summer '22 - Present

*Mentor: Dr. Peter Story*

- Created an effective data collection tool that targeted data from password managers and websites.
- Gathered, cleansed, and reviewed data from select password managers and websites. Developed protocol for data annotation processes.
- Collaborated with a research team in writing our research results in an academic paper.

### Research Assistant — Virginia Tech

August '22 - January '23

*Mentor: Dr. Sang Won Lee*

- Researching crowdsourcing techniques and building conversational assistant software.
- Using React Native to develop responsive mobile applications to facilitate effective voice-based conversational assistants.

### Research Assistant — Clark University

October '21 - September '22

*Mentor: Dr. Chandra Jack*

- Monitored plant and bacterial growth in a greenhouse setting.
- Gathered and analyzed growth data from wheat and clover plants.
- Collaborated with research team in weekly standups.

## WORK EXPERIENCE

### Teaching Assistant — *Clark University*

- Lead weekly labs and 1-on-1 tutor sessions twice a week.
  - Robotics and Intelligent Systems, Fall 2022

## REPORTS & PUBLICATIONS

### Poster Presentations

Peter Story, **Adryana Hutchinson**, Jeffrey Tang.

- “Investigating the Usability of Password Managers” (ClarkFEST 2022). [[pdf](#)]

### Class Reports

- “IoT Security: Threat of Worms” (Spring 2022). [[pdf](#)]

## HONORS & AWARDS

### LEEP Fellowship — *Clark University*

Summer '22

- Rewarded to Clark University students, used to fund my summer research experience in exploring the usability of password managers.

### Wisniewski Award — *Clark University*

Summer '22

- Rewarded for being the top LEEP applicant of 2022 for research and academic excellence.

### Robert Goddard Scholarship — *Clark University*

Fall '19 - Spring '23

- Top-level scholarship for Clark University students.

### Dean's List — *Clark University*

Fall '19 - Spring '23

## SKILLS

### Languages:

- Python, Java, C, SQL, JavaScript, HTML & CSS, R

### Tools:

- Django, MySQL, Docker, Linux, Qualtrics, Adobe Photoshop, LaTeX, Figma