

MAGGIE OATES

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EDUCATION

Carnegie Mellon University, PhD Student Started August 2017
Societal Computing PhD, Institute for Software Research Pittsburgh, PA
Research Interests: Usable Privacy and Security, Authentication, Tech & Art, Adversarial Vision

Indiana University, BS in Computer Science May 2017
Concentration: Artificial Intelligence Bloomington, IN
Minors: Mathematics, Linguistics, International Studies

EXPERIENCE

Robotics Institute Summer Scholar Summer 2016
Carnegie Mellon University Pittsburgh, PA

- Contributed to a ground robot for automated plant phenotyping as part of the ARPA-E TERRA program
- Integrated a stereo camera and developed a vision algorithm for plant stalk detection in challenging field conditions

Undergraduate Instructor Dec 2015 - May 2017
Indiana University Bloomington, IN

- Developed and taught weekly lab curriculum for Intro to CS and Data Structures courses

Social Computing Researcher Dec 2014 - Dec 2015
Indiana University Bloomington, IN

- Studied the sociotechnical impact of character encoding on searchability for minority groups
- Awarded 2nd Overall at the IU Computer Science Research Symposium

Technology Analyst Intern Summer 2015
JPMorgan Chase & Co Chicago, IL

- Contributed to a greenfield Java web application on a team of 11
- Used tools such as Java, Oracle SQL, Spring, Hibernate, Thymeleaf, batch scripting

Resident Assistant & CommUnity Educator Aug 2014 - Dec 2015
Indiana University Bloomington, IN

- Facilitated educational programs to educate 1000 students & staff on diversity & inclusion topics (2014)
- Supported a floor of 50 women in STEM (2015) in academic & community development

LEADERSHIP

Anita Borg Institute Board of Trustees Oct 2017 -
Student Board Member

Board of Aeons June 2016 - May 2017
Served as one of 14 undergraduate student advisors to Indiana University President McRobbie

FIRST Lego Robotics Co-Coach June - Dec 2015

Indiana University Sexual Violence Prevention Taskforce Fall 2015

International Collegiate Programming Competition Fall 2014

Indiana University Student Assoc. Fall 2014 - Dec 2016
Speaker of the House, Senate Member

TECHNICAL BACKGROUND

Tools C, Python, C++, Racket (Scheme), OpenCV, ROS, bash

Conferences GHC 2013, Out4Undergrad 2014-16, OURCS 2016, Allied Media Conference 2017

Papers In Submission *Exploring Adoption of Two-Factor Authentication at a University*
"I Have Three that I Rotate": Behaviors and Attitudes toward Password Expiration