

Maggie Barclay

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Objective

Seeking an interdisciplinary Computer Science internship or co-op involving AI, image processing, computer vision, research & development, or technical communications

Education

Illinois Institute of Technology - *Chicago, IL*

August 2018 - May 2022

Bachelor of Science in Artificial Intelligence with minor in Technical Communications

Professional Experience

Computer Discovery Camp - Instructor - *Chicago, IL*

June 2019 - August 2019

Created and taught Lego Mindstorm and Database curricula to middle school and high school girls

Fermi National Particle Accelerator Laboratory - Intern - *Batavia, IL*

June 2017 - August 2017

Constructed a GUI for the ICARUS experiment, a new neutrino detector, allowing for the remote control of a power supply; Used to collect ICARUS data; coding done in Java and Javascript

E2i, Inc. - Intern - *Manteno, IL*

June 2016 - August 2016

Shadowed graduate engineering student employees; Read and interpreted blueprints and wiring diagrams to build electrical panels

Leadership & Activities

NASA Robotics Mining Competition Team

August 2018 - December 2020

Lead of Community Outreach - Created opportunities for team to spread STEM education to Chicago youth
Vice President of Engineering - Oversaw the design and build process of our robot; "Systems Engineer" of the team; Created technical documents keeping track of progress and goals

Museum of Science and Industry - Volunteer - *Chicago, IL*

Sep 2018 - November 2018

Provided science demonstrations to visitors of all ages

FIRST Robotics Competition Team

September 2016 - May 2018

Team Captain - Oversaw the robot design and build process; Created and managed public STEM outreach activities and sponsorship opportunities with local companies

Awards & Other Organizations

Camras Scholarship Recipient - Illinois Institute of Technology Dean's List - 1st place for Undergraduate Research in ECE Day Poster Competition 2019

Eta Kappa Nu Honors Society - Society of Women Engineers (SWE), Women in Science Project (WISP), Institute of Electrical and Electronics Engineers (IEEE)

Skills

Programming: Proficient in Java, Experienced in Haskell, Javascript, Python

Database: Experience with SQL

Other Technical Skills: Familiar with Windows & Linux, certified in Microsoft Word, Powerpoint, & Excel, experience with Arduino & circuit building, soldering

Human Skills: Technical documentation, Leadership, Effective communication, Public speaking