

Katelyn Hennells

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Personal Website: <http://katiehennells.github.io>

401 W Fullerton

Chicago, IL 60614

Education

University of Michigan: College of Engineering, Ann Arbor, MI

Bachelor of Science and Engineering: Computer Science Engineering

April 2018

Awards

Scholarship for attendance of Grace Hopper Conference through University of Michigan GEECS

MLK Sprit Award Nominee

Senior Engineering Leadership Honor Society

Related Coursework: Data Structures and Algorithms, Computer Architecture, Foundations of Computer Science, Machine Learning, Cryptography, Computer Security, User Interface Design, Web Databases and Information Systems, Social Computing, Statistics and Probabilities

Technical Skills

Proficient in: C++, C, Python, JavaScript (Node, Angular, React), jQuery, HTML, CSS

Familiar with: MATLAB, Solidity, GO, Java, MeteorJS, Flask

Experience with: Linux/Unix, AWS (EC2, Lambda, S3), Bitcoin/Ethereum application development

Work Experience

CME Group - Chicago, IL

May 2017 – August 2017

Software Engineering Intern

- Created proof of concept projects working alongside senior developers and the UIUC Research Park interns
- Developed applications using Bitcoin/Ethereum test and private network for intra-department data aggregation
- Created applications for single source of information to feed to smart contracts on a Blockchain

TechLab at MCity - Ann Arbor, MI

September 2016 – December 2017

PolySync Software Engineering Intern

- Designed an algorithm that tunes the vehicles attached sensors (LIDAR, Radar, and GPS) to its physical controls and follow a predetermined set of waypoints for autonomous vehicles
- Isolated configuration bottleneck and worked with intern team to integrate new management system into PolySync Core
- Developed real-time data visualization tools in MATLAB for PolySync's data logs

Activities

CS KickStart, Ann Arbor, MI

March 2016 – April 2018

Co-Founder, Program Director

<http://cskickstart.eecs.umich.edu>

- Lead team of four through planning and organizing a week-long introduction to computer science for incoming freshman women in order to encourage them to pursue a career in technology
- Fostered relationships with local and national technology companies for sponsorship and tours of their offices during the week
- Managed budget, schedule, and organization for the entire program, including pre-planning and post-analysis
- Designed and update website for fluent communication of information between officers and prospective students

Computing CARES – Climate and Retention Engagement for Success, Ann Arbor, MI

August 2017 – April 2018

Instructional Aide

- Lead diversity effort in the CSE department by planning interventions such as panels and extracurricular activities

GEECS – Girls in Electrical Engineering and Computer Science, Ann Arbor, MI

January 2015 – April 2018

Outreach Committee

- Developed curriculum for outreach events for high school and middle school girls for learning programming and other technical skills

Personal Projects

Google Chrome Extension (in progress) – http://katiehennells.github.io/chrome_extended.github.io

- New Tab Redirect Extension – utilizes HTML, CSS, and JavaScript to load randomized images and props on new tab