MARA GORDON

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Education

University of Michigan, Ann Arbor, MI — **BS Computer Science Engineering**, April 2018.
EECS Classes: Data Structures and Algorithms, Web Databases and Information Systems, UI Dev,
Operating Systems, Cyber Security, Mobile App Dev and Entrepreneurship

Experience

Intern at Uptake, Chicago, IL   — May to Aug 2017
-   -Worked with Kafka Streams and Kafka compaction to produce/consume records to a topic
-   -Wrote integration tests with mockito and web tests with selenium so code functions properly
-   -Increased build process success and efficiency by 50% by running snapshots of docker containers
-   -Worked on a team to map company's data pipeline to find bottlenecks and failures

Intern at The NewFoundry, Ann Arbor, MI   — May to Aug 2016
-   -Created and designed websites and mobile apps using bootstrap templates and original layouts.
-   -Added various features such as modals and mobile sharing.
-   -Presented work to entire company and delivered to clients at the end of the summer.

Tutor at University of Michigan, Ann Arbor, MI   — Sept to April 2015
-    -Tutored students at the University of Michigan in intro CS classes, Precalculus and Calculus I.

Administration at Boston Leadership Institute, Wellesley, MA   — May to Aug 2015
-   -Lead administration and operations of a 300-person STEM camp for gifted high school students.
-   -Designed MS-Excel spreadsheets to track finances.

Physics Teaching Assistant at Boston Leadership Institute, Wellesley, MA   — May to Aug 2015
-    -Assisted teacher in a summer physics course, specializing in aerospace physics.

Research Associate at Harvard School of Public Health, Boston, MA   — May 2015
-   -Conducted research on the effects of air pollution on asthma levels of inner-city-school children
-   -Tested opacity of air filters to determine pollution levels in classrooms.

Skills

Languages: C++, SQL, Java, Javascript, Python, LaTex, HTML5, CSS, Matlab, Spring, AngularJS
Technologies: Kafka, Docker, Microsoft Office, Google Drive
Other: Won public speaking award in high school

Activities

Member of GEECS, a group that supports women in EECS at the University of Michigan. Chosen to be on a panel at an outreach program for high school girls interested in EECS. Member of small advisory team to freshman and sophomores interested in pursuing EECS at Michigan.

Project Leader of Sandbox, an entrepreneurial club. Created and led a team that analyzed the market for local restaurants and created ways to encourage students to support local businesses.

Project Leader of Blue Lab, worked to install a biogas digester on the University of Michigan campus. Led the team that dealt with the outflow of the digester.