

Noah D. McLean

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EDUCATION

University of Chicago, *Class of 2020*

- Pursuing a 4-year joint degree: Bachelor of Science and Master of Science in Computer Science
- Dean's List 2016-19, 3.56 GPA

TECHNICAL SKILLS

- Proficient Languages: C, Java, Python, and SQL Server
- Known Languages: HTML, CSS, and R (dplyr, trena, ggplot)
- Other Proficiencies: Git, JDBC, Apache Spark, Flask, Kivy and Subversion

WORK EXPERIENCE

Teaching Assistant, University of Chicago (Computer Science) Sept 2019-Ongoing

- Organized discussion sessions, held office hours, led a major project, and oversaw grader work
- Worked closely with students to answer questions and help them complete 7 different Python projects

Research Assistant, Becker Friedman Institute Jun 2019-Ongoing

- Developed and documented a complex pipeline for finding semantic relationships in corpora, and designed Bash and Python tools to automate and streamline processes
- Analyzed, implemented, and compared different Gensim neural networks to create word embeddings
- Performed various forms of word embedding analysis to discover clear forms of written bias

Project Lead, CANON Lab at University of Chicago Jan 2019-Jun 2019

- Constructed learning trajectories for learning progression over 5 different programming languages
- Identified unique language-specific pathways to more effectively teach computer science

Housing Technology Technician, University of Chicago Sept 2018-Jun 2019

- Fixed dozens of software-related issues with University locks, Ethernet jacks, and wireless connectivity
- Provided responsive technical assistance to front desk staff on call

Housing Technology Assistant, University of Chicago Sept 2017-Jun 2018

- Maintained house computers, printers, and internet services for student use across all 38 houses
- Held hours at the central UChicago IT desk, providing assistance to students with technology problems

Big Data Intern, Institute for Systems Biology, Seattle WA June-Aug 2017, June-Aug 2018

- Worked in a team of four in Dr. Nathan Price's lab, focusing on discovering transcription factors that could be used as drug/treatment targets
- Developed an algorithm in the trena R package using LASSO regression on large-scale datasets to identify strong transcription factors. Tested this algorithm on datasets ranging from 150 to 15,000 patient samples of gene expression
- Created a poster presentation to scientists and non-scientists explaining my work

LEADERSHIP & COMMUNITY ENGAGEMENT

EUChicago (University of Chicago European Horizons) Sept 2016-Ongoing

- Researched current geo-political events and their implications in small research cohorts
- Published three analytical articles about Brexit, the refugee crisis, and China's economic reach
- Co-led a project-based cohort focused on the peacebuilding capabilities of the EU
- Organized a European security forum with speakers, panels, and over 50 participants, in a small team

Model United Nations of University of Chicago (MUNUC) Press Corps Sept 2016-Feb 2018

- Taught students how to gather accurate information, form an argument and write informative articles
- Edited 30+ articles in a two-day conference to create three readable student-written newsletters