



ANDREW BARBER

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EDUCATION

Master of Health Informatics | University of Michigan School of Information and School of Public Health

SEPTEMBER 2017– APRIL 2019

- GPA: 3.844

Bachelor of Science - Neuroscience | University of Michigan School of Literature, Science and the Arts

SEPTEMBER 2013 – APRIL 2017



EXPERIENCE

Most Wired Intern | College of Healthcare Information Management Executives (CHIME)

Ann Arbor, MI

APRIL 2018 – OCTOBER 2018

- Performed database management tasks using Excel, Microsoft Access and SQL to ensure the integrity of Healthcare's Most Wired Survey data
- Created high-fidelity data visualization mock ups with healthcare CIOs/IT executives as targeted end-users
- Developed a tool that links Most Wired Survey results data to CMS/AHD data allowing the organization to conduct more powerful statistical analyses

Research Assistant | Michigan Clinical Outcomes Research and Reporting Program (MCORRP)

Ann Arbor, MI

MAY 2016 – AUGUST 2018

- Constructed two REDCap survey databases with cohorts of 1900+ patients used for developing research papers to be published in reputable medical journals
- Abstracted clinical data on hundreds of patients from Epic EMR, becoming second author for paper accepted by the American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR)



LANGUAGES

- Proficient: Python, SQL
- Familiar: Javascript, HTML, CSS



SKILLS

Programming:

- Python Data Stack (NumPY, SciPY, Pandas, etc.)
- Machine Learning
- Apache Spark, PySpark



RELEVANT COURSES

- Data Manipulation/Analysis
- Networks
- Information Retrieval
- Complex Website Design

Other:

- Microsoft Office Suite (Excel, Word, Outlook)
- Microsoft Power BI
- Microsoft Access