

Madeleine Hodges

*****, Philadelphia PA, 19143 | mfhodges95@gmail.com

WORK EXPERIENCE

University of Pennsylvania Van Pelt Library

Philadelphia, PA

Full Stack Developer / Canvas LMS Developer

Sept. 2018 - Present

- Develops, maintains and documents Enterprise Software that manages site creation for SRS courses.
- Built Admin tools with Jupyter Notebook for analytic reporting and LMS administration.
- Responsible for evaluating new Ed. tech used in the LMS and reporting the technical concerns/ limitations
- Advises other developers on remediating web content to meet WCAG AA 2.0 guidelines

Haverford College Digital Scholarship Department

Haverford, PA

Full Stack Developer

Sept. 2014- May 2018

- Developed Django and PHP MVC framework applications to enhance the learning and teaching experiences of different groups within the academic community.
- Spearheaded the Quaker Linked Data project which connected numerous Quaker biographical data and historical materials from Haverford College Quaker and Special Collections into one repository.
- Advised new interns in project management techniques & managing stakeholder relations.

Haverford College Computer Science Lab

Haverford, PA

Computer Science Monitor and Tutor

Sept. 2015 - May 2018

- Provided tutoring to for all CS courses 100-300 level.
- Assisted in Linux machine maintenance.

CRIM Data Analyst / Vis.

Haverford, PA

- Collaborated with staff Haverford Tenure Professor and faculty at the Maryland Institute of Tech. in Humanities to set up data cleaning workflows and developing exploratory data analysis.
- Designed heat map and modified chord diagram visualizations of musical data using D3.js.

EDUCATION

Haverford College, B.S. Computer Science | Haverford PA

Sept. 2014 - May 2018

Relevant Coursework: Analysis of Algorithms, High-Performance Scientific Computing, Data Science and Vis., Machine Learning (UPENN CIS 520), Principles of Programming Languages, Computational Theory.

Senior Thesis: K-means Seeding Methods

PROJECTS // LEADERSHIP

- Accessibility & Learning Tech: Dev Team Leader
- Women in STEM Panelist Haverford College '18
- Jekyll User Group Project Leader
- Web Design Career Panelist Bryn Mawr College '19

SKILLS

Programming Languages/Languages

Python
CSS/LESS/SASS
R

Javascript/jQuery
SQL
GraphQL

HTML
AJAX

Tools/Frameworks