Madeleine Hodges

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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	Javascript/jQuery	HTML
CSS/LESS/SASS	SQL	AJAX
R	GraphQL	

Tools/Frameworks

Django/Flask	Django REST	Jekyll
Git	Docker	Redis/Celery
Jupyter Notebook	Linux	Adobe XD

 Mfhodges | https://madeleinehodges.com