Heather "Ripley" Myers

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EDUCATION

Mills College, Oakland, CA – Interdisciplinary Computer Science MA   Expected Graduation 2019
    Thesis: Defining Sanctuary: a Solution in Technology   GPA: 3.7
Mills College, Oakland, CA – Anthropology and Sociology BA   Fall 2013
    Honors: Cum Laude - Phi Beta Kappa - Anthropology Student of the Year   GPA: 3.9

COURSEWORK

Java 1 and 2, Databases, Data Structures and Algorithms, Geospatial Big Data, Software Engineering, Theory of Algorithms, Computer Architecture, Research Process, ICT4D (Computing for Good), Discrete Math 1, Discrete Math 2, Statistics, Web Programming, Programming Languages, Methods of Social Research, GIS and Social Geography

PROJECTS

- **Defenders of Wildlife Mapping project:** Worked in a four-person team to design a prototype of a web site which displayed endangered species data
- **ID3:** Coded a version of ID3 in Java for Geospatial Big Data
- **NAWIC Project:** Created a website to help Native American Women in Computing connect and network
- **The Sanctuary City Map App**: Led a four-person team to design a web app which shows sanctuary cities in the US as well as local troll-resistant sanctuary data populated by users

CORE COMPETENCIES

- Languages: Java, Python, JavaScript, Ruby, SQL, HTML, CSS
- Development Tools: (Proficient in) Eclipse, Sublime, QGIS, Github, BitBucket, Jira, MongoDB, Express, Angular, Node.js, Google Earth Engine (Familiar with) Google App Engine, MapReduce
- Skills: Management, organization, planning, leadership, adaptability, mentoring, research, critical thinking, global perspective, effective communication

EXPERIENCE

Junior Software Developer - ISKME - Half Moon Bay, CA   July 2018– Present
- Utilizing Python, Django, CSS and HTML for frontend and backend development to create microsites for clients and improve our UI
- Spearheading a documentation improvement project to create manuals for staff, clients and users

Software Engineering Consultant - Open Context - Berkeley, CA   May 2018– Present
- Assessing an existing python web application with an eye for mobile design
- Creating a strategy for executing cosmetic and performance improvements and using the latest CSS, HTML and JavaScript tools

Independent Research Consultant - NASA DEVELOP - Mountain View, CA   Sep – Nov 2017
- Used JavaScript to expand UI development, improve existing functionalities, and expand new capabilities of an existing Google Earth Engine tool
- Utilized Google Earth Engine to create geospatial data analysis tool
- Team member on a deliverables-based project for Lassen Volcanic National Park which facilitates fire prevention planning

Teaching Assistant - Mills College, Oakland, CA   August 2014 – May 2017
- Selected to TA for Java, Discrete Math, Geospatial Big Data courses
- Graded papers, ran labs and study sessions, and held office hours for 8-25 students per course