

Veronica Hanus

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LINKS

GITHUB:// vzhz

BLOG:// vzhz.github.io

LINKEDIN:// veronicahanus

TWITTER:// @veronica_hanus

SKILLS

PYTHON • L^AT_EX • HTML • CSS

JAVASCRIPT • MONGODB

MATLAB • SQLITE • DJANGO

EDUCATION

BA IN GEOLOGY | 2010

COLGATE UNIVERSITY

Alumni Memorial Scholar Fellow

CERTIFICATIONS

LICENSED PRIVATE PILOT

EMERGENCY MEDICAL TECHNICIAN

WILDERNESS FIRST AID CERTIFIED

EXPERIENCE

RECURSE CENTER | PROGRAMMER

Sep 2015 – Dec 2015 | New York City, NY

- Full-time, three month project-focused educational retreat

SCHLUMBERGER | RESEARCH ENGINEER

Mar 2014 – Dec 2014 | Cambridge, MA

- Validated software-derived mineralogy results with lab data for clients, using domain knowledge of regional geology to confirm lab results

MIT PALEOMAGNETISM LABORATORY | RESEARCH ASSISTANT

Jan 2012 – Oct 2013 | Cambridge, MA

- Adapted lab procedures to allow single-clast terrestrial samples to be measured for the first time and saved over 30 hours of labor per run

NASA JET PROPULSION LABORATORY | DATA INTERN

Jan 2009 – Aug 2009 | Pasadena, CA

- Led student effort to determine rock distributions for possible landing sites for the Mars Curiosity rover
- Introduced three students to in-house software for QA element of our project, including reporting procedures, and software process and limitations
- Provided user UX/UI feedback and bugs found during use to software lead
- Developed assessment criteria for the hazards identified by software and methods to incorporate rock distributions into GIS datasets

PROJECTS

FUNCTION GENERATOR | JAVASCRIPT

Facilitates cross-dataset comparisons of climate data using JavaScript, jQuery, HTML, Mako, TurboGears 2, Python, & MongoDB

GEOGRAPHY GAME | PYTHON

Uses modular, recursive functions, object-oriented programming, and automated unit testing

SIERPINSKI TRIANGLE GENERATOR | PYTHON

Calculations in Python, visualization in PyGame, optionally slowing the construction to ease understanding

VOLUNTEER

MIT STUDENT INFORMATION PROCESSING BOARD | EVENT LEAD

Sep 2011 – Dec 2011 | Cambridge, MA

- Facilitated a 15-week series of technical lectures on a variety of computing-related topics that reached 250+ people

BOOTSTRAP AFTERSCHOOL PROGRAM | PROGRAMMING COACH

Aug 2011 – May 2012 | Cambridge, MA

- Used functional programming to leverage 14 middle-school students' excitement around videogames to teach algebraic concepts by creating their own games and completing math and word problems in the process