Veronica Hanus

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LINKS

Github // vzhz
LinkedIn // veronicahanus
Twitter // @veronica_hanus

SKILLS

Python · LaTeX · Git · SQLite
HTML · CSS · JavaScript

EDUCATION

BA in Geology | 2010
Colgate University
Alumni Memorial Scholar

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 3 month project-focused software retreat
- Focused on building modular and scalable software in Python, ensuring both best-practice design and a highly usable product
- Explored the fundamentals of low-level (C) and functional (Elm) programming

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 find rock distributions of landing sites for 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

CACHE-CARDS | Python and SQLite
Terminal learning tool that allows users to create customized sets of flashcards. The program gives feedback on performance and duration of play. For users who struggle with spelling, Cache-cards distinguishes between answers can are incorrect because of spelling errors or lack of knowledge.

SIERPINSKI TRIANGLE GENERATOR | Python and PyGame
Creates Sierpinski triangles of random dimensions. Optionally slows the construction and changes coloring of active points.

PGP KEY-SIGNING SCRIPT | Python
Signs all keys to ease your post-keysigning party monotony.

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
- Mentored 14 middle-school students in creating their own games using functional programming to teach algebraic concepts