

Veronica Hanus

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LINKS

PORTFOLIO // veronicanhanus.com

GITHUB // [vzhz](https://github.com/vzhz)

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PROGRAMMING SKILLS

PYTHON • GIT • L^AT_EX • SQLITE

HTML • CSS • JAVASCRIPT

FLASK • DJANGO

MAKER SKILLS

3-D PRINTING • WOODWORKING •

SOLDERING • IMAGE EDITING •

SEWING • SURVEY DESIGN

SPEAKING TOPICS

DESIGN • PROCESS IMPROVEMENT •

VERSION CONTROL •

DOCUMENTATION • AUTOMATION

EDUCATION

BA IN GEOLOGY | 2010

COLGATE UNIVERSITY

Alumni Memorial Scholar

SAT | 2005

Math: 740 Verbal: 730

CERTIFICATIONS

LICENSED PRIVATE PILOT

EMERGENCY MEDICAL TECHNICIAN

CPR/AED PROFESSIONAL RESCUER

WILDERNESS FIRST AID CERTIFIED

EMPLOYMENT

CONTRACTOR, 2017-2019

RECURSE CENTER, 2015

SCHLUMBERGER, 2014

MIT PALEOMAGNETISM LAB,

2012-2013

NASA JPL (INTERN), 2009

TEACHING EXPERIENCE

GUIDED DISCOVERIES ASTROCAMP | SCIENCE INSTRUCTOR

Jan – April 2015 | Idyllwild, CA

- Introduced 3rd-11th graders to physics and planetary science topics in an experimental teaching environment
- Redesigned curriculum for the "Cosmic Lander" class that met the NGSS standards and infused the existing course with insights from my work on the Curiosity Rover landing site selection

BOOTSTRAP AFTERSCHOOL PROGRAM | PROGRAMMING COACH

Aug 2011 – May 2012 | Cambridge, MA

- Provided 1-on-1 and group instruction for 14 middle-school students in creating their own games during 10-week program
- Used functional programming (Scheme) and pair programming to teach algebraic concepts (Pythagorean theorem & writing appropriate algebraic functions) and programming concepts (problem solving using the Design Recipe, data types, Boolean logic, conditional branching, functions & variables)

MIT ACADEMIC TEACHING INITIATIVE | WRITING INSTRUCTOR

Sep 2011 – Jun 2012 | Cambridge, MA

- Developed & taught 12-week SAT Writing course for 60 students (3 sections)
- Developed online system for student homework submission and grading
- Classroom strategies included in-class writing exercises, peer review, take-home prompts and questions, 1-on-1 writing feedback
- Over 70% of my students increased their scores 200 points during the course
- Several students wrote asking for feedback on college essays and their own practice prompts 1-2 years after the course

VOLUNTEER EXPERIENCE

CODE NATION | INSTRUCTOR

Oct 2018 – Present | New York, NY

- Taught web course (HTML, CSS, JS) 2x/week at under-resourced high school

RC START | REMOTE TUTOR

Nov 2015 – July 2016 | New York, NY

- Provided continuing weekly one-on-one feedback and mentorship for a nontraditional student starting her transition from sales to software
- Mentored additional three beginning programmers, two of whom have decided to pursue software development

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

COLGATE UNIVERSITY GEOLOGICAL SOCIETY

ADVISOR (2009-10) & VICE-PRESIDENT (2008) | HAMILTON, NY

- Coordinated quarterly presentations of Earth Science topics at local schools with typical participation of 60+ middle school students