# Veronica Hanus

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### LINKS

PORTFOLIO // veronicahanus.com GITHUB // vzhz LINKEDIN // veronicahanus TWITTER // @veronica\_hanus

### PROGRAMMING SKILLS

PYTHON · LATEX · GIT · SQLITE HTML · CSS · FLASK JAVASCRIPT · DJANGO

### **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**

RESEARCH AT MIT AND NASA

### 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

### **TECHIE YOUTH** | TEACHING ASSISTANT

July 2016 - Aug 2016 | New York, NY

• Assisted in preparing aging-out foster children for positions in IT

### 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