

## Kristina Gsell

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### EDUCATION

**Columbia University**, School of Engineering and Applied Science New York, NY  
BS in Earth and Environmental Engineering, GPA 3.8/4.0 May 2012  
*Honors:* Magna Cum Laude, Dean's List (2008-2012) King's Crown Leadership Award (Spring 2010-12),  
Tau Beta Pi Engineering Honor Society  
*Relevant Coursework:* Calculus II/III, Probability/Statistics, Applied Math, Chemistry I/II, Physics I/II, University Writing

### EXPERIENCE

**Your Way Tutors**, Founder and Lead Tutor July 2015-Present

- Tutored students in all areas of high school academics, and introductory level college Math and Science topics
- Tailored instruction to each student's needs and learning style; connected with students through a compassionate approach
- Helped students prepare for and improve scores on tests such as the SAT, ACT, and GRE; crafted individualized plans
- Developed countless methods to explain difficult concepts in numerous ways to ensure students' understanding
- Mentored students; assisted in identifying unique learning styles; fostered students' interest in learning

**La Salle College Preparatory**, Substitute Teacher and AP Exam Proctor October 2016-Present

- Executed lesson plans while ensuring each student's understanding of the material; maintained a safe, productive classroom
- Diligently proctored each AP exam to uphold academic integrity and fairness; assisted students with all technical concerns

**826LA**, Volunteer Tutor, Centaur Club Member Fall 2015-Present

- Worked with students ages 6-18 twice weekly in after-school tutoring programs; engaged students in their homework
- Assisted students with creative writing projects; inspired students to see the fun side of learning; gave back to her community
- Communicated effectively with children of all ages and diverse backgrounds, acted as a mentor and positive role model
- Helped students with college applications, personal statements, scholarship essays; encouraged students to pursue their goals

**Competitive Edge Tutoring**, Math, Science, and Test Prep Tutor October 2012-June 2015

- Provided academic support in all levels of high school and introductory college Math and Science subjects, such as Calculus, Physics, Chemistry, Earth Science, Algebra, and Trigonometry; Prepared students for tests such as the SAT, SSAT, and GRE
- Motivated students through exposing the fun side of Math and Science; acted as a positive role model for youth

**Battery Urban Farm**, The Battery Conservancy, Farm-Education Apprentice June-November 2013

- Developed and lead hands-on, farm-based lessons for visiting classes, K-12<sup>th</sup> grade; served as an ambassador for the farm
- Participated in all aspects of organic vegetable production, including planning, planting, irrigation, and compost management

**Columbia Water Center**, Earth Institute, Columbia University, Research Assistant June 2011-June 2013

- Utilized crop modeling and data analysis to investigate strategies to improve agricultural water use efficiency in India
- Assisted with a risk analysis for potato farms in India using crop modeling and climate forecasting
- Launched the Columbia Aquanauts, an interdisciplinary student group which seeks to raise awareness of and address global water scarcity issues through research projects, educational events, and activism

**Center for Technology, Innovation and Community Engagement**, Columbia University, Intern June 2009-June 2012

- Organized and chaperoned two energy audits in NYC, in conjunction with the SEAS Summer high school program
- Assisted the Columbia-Harlem Small Business Development Center with administrative responsibilities and event planning; organized a Green Business Forum to educate business owners on "greening" their energy/water use, and waste management
- Edited format of and provided content for Scott Stringer's Go Green in NYC online toolkit for Small Business Owners

### ACTIVITIES

**World Wide Opportunities on Organic Farms (WWOOF) Italy**, Volunteer/Intern Summer 2012

- Visited four diverse sustainable farms in Italy, absorbing the unique culture and techniques of each organization
- Learned fast and adapted to any new task at hand, including sheep milking, cheese making, and tending to grape vines
- Gained a newfound appreciation for resource conservation, farm ecosystems, and the hard-work of organic farming

**Columbia University Food Sustainability Project**, President Spring 2009-May 2012

- Maintained Columbia Community Garden and facilitated outdoor composting system for three growing seasons
- Managed in-dorm worm composting system, which converted over 24 lbs. of food waste into valuable compost each week
- Explored integration of sustainable technologies in agriculture, including rainwater catchment and drip irrigation systems
- Organized educational workshops, garden work sessions, collaborative events, and group meetings

**Columbia Metrotones**, Female A Cappella Group, VP Advertising Fall 2008-May 2012

### SKILLS

Microsoft Office Suite, Engineer Intern (FE) Certified, Conversational Italian, Elementary Spanish