

Aleksandra (Sasha) I. Ponomareva
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EDUCATION

Pomona College, Claremont, CA
Bachelor of Arts, Environmental Analysis (minor in Spanish) May 2014

- **GPA:** 3.73/4
- **Senior Thesis:** “Scoping out Proxies: Developing Methods to Better Use Two Marine Organisms, *Clathromorphum compactum* and *Desmophyllum dianthus*, as Paleoclimate Archives”

University of Canterbury, Christchurch, NZ (Semester Abroad) Spring 2013

EMPLOYMENT AND RELEVANT EXPERIENCE

San Francisco International Airport: San Francisco, CA Feb 2018-Present
Green Operations Specialist
I run the SFO Green Business Program guiding Airport business tenants through the certification process, making sure they meet and exceed Airport environmental regulations. I also coordinate zero waste programs at the Airport- I engage stakeholders to ensure infrastructure, policies, and outreach are in place to achieve our materials diversion targets.

Marin Carbon Project: Marin County, CA Feb 2017-Jan 2018
Independent consultant
I wrote policymaker-facing summaries of U.C. Berkeley soil carbon papers from Dr. Silver’s lab.

San Francisco Department of the Environment: San Francisco, CA Feb-Sept 2017
Executive Assistant
I supported the Department Director, through meeting coordination, department-wide communication, travel planning, and maintaining her calendar. I conducted background research for the Director and organized department-wide events.

Environmental Education Associate Aug 2015-Feb 2017
I educated K-12 students in public and private schools across San Francisco to inspire positive behavior change and environmental stewardship. In addition to delivering classroom presentations and school-wide assemblies, I provided logistical and scheduling support for the field trip program and schools’ zero-waste programs.

GreenCitizen Inc.: San Francisco, CA Jul 2015-Aug 2015
Business Development Manager
I worked with the CEO to improve the business model. I hired and trained new staff, and co-managed and mentored a team of 6-9 employees in running accounts. I collaborated with the operations team to ensure smooth pickups and processing.

Center Manager Aug 2014-Jul 2015
I managed a customer-facing Eco-Center, accepting material and educating visitors about the electronics waste crisis. I managed new and existing business customer accounts in Salesforce and brought in new businesses with outreach marketing. I co-managed the blog and wrote grant applications to expand GreenCitizen’s reach.

TreePeople: Los Angeles, CA Spring 2014
Student Consultant: Senior Capstone Project
I worked as student consultant to develop a white paper and presentation on the feasibility of rainwater harvesting in LA. I helped create a cost benefit analysis/ model and presented findings at the Pomona EA Senior Seminar open to the public.

Pomona College Farm: Claremont, CA Sept 2010-May 2011, Sept 2013-Dec 2013
Riverside Farm (WWOOF): McMinnville, OR Summer 2010
Dog Mountain Farm (WWOOF): Carnation, WA Summer 2011
Farm Worker
I supported farm maintenance through composting, weeding, planting, and animal care, building. I also led and planned activities for children’s day camp and tour groups, and attended and ran farmer’s market stands.

AWARDS AND FELLOWSHIPS

Distinction in Senior Exercise Spring 2014
Dean of the College Research Conference Grant Fall 2013
Pomona College Scholar Fall 2013
Pomona Summer Undergraduate Research Fellowship Summer 2013
EA Mellon Foundation Grant Summer 2012

PUBLICATIONS

Ponomareva Aleksandra (2012) Examining the Impact of Pau Jacaré (*Piptadenia gonoacantha*) Growth on Soil Fertility in the Brazilian Atlantic Rainforest. *Environmental Analysis Program Mellon Student Summer Research Reports*. Paper. http://scholarship.claremont.edu/eap_ea_mellonreports/2

Published Abstracts

Ponomareva SI, Williams B, Prokopenko MG, Sigman D, Wang X, Adkins JF (2013) Examining post-depositional alterations in the deep sea coral, *Desmophyllum dianthus* to assess its viability as a climate proxy. 2013 Meeting Archives, Western Society of Naturalists. Online. <http://www.wsn-online.org/meeting-archives/abstracts-for-2013/>

RESEARCH EXPERIENCE

Senior Thesis, Pomona College, Claremont, CA Fall 2013

Scoping out Proxies: Developing Methods to Better Use Two Marine Organisms, *Clathromorphum compactum* and *Desmophyllum dianthus*, as Paleoclimate Archives

- Worked closely with advisor, Dr. Branwen Williams, to design experiment and refine methods
- Extensively used Scanning Electron Microscope (SEM) for data analysis
- Presented findings at Pomona's EA Senior Thesis Talks

Pomona College Summer Undergraduate Research Fellowship, Claremont, CA Summer 2013

Examining Diagenesis of Coralline Algae: Can we use subfossil specimens as archives of climate change?

- Designed experiments and worked with Dr. Williams to fine-tune methodologies
- Used SEM to analyze algae samples; collected preliminary data for senior thesis
- Analyzed diagenesis in algae to determine if fossils can be used as climate change archives
- Presented poster at conference: *Western Society of Naturalists (November 7-10, 2013)*

Environmental Analysis Mellon Grant, Iracambi Research Center, Rosario da Limeira, Brazil Summer 2012

Examining Impact of Pau Jacaré (*Piptadenia gonoacantha*) Growth on Soil Fertility in the Brazilian Atlantic Rainforest

- Wrote grant proposal, designed, and fine-tuned experiment
- Collaborated with Iracambi Center director, Robin LeBreton, to conduct research in area of study
- Conducted soil analyses (pH testing, conductivity, soil tilth, color and moisture)
- Wrote and published final paper and presented poster at EA Mellon Grant Symposium

TEACHING EXPERIENCE

Jumpstart Corps Member Jan 2014-May 2014

Jumpstart Claremont - Pitzer College: Claremont, CA

- Served as an AmeriCorps member, on a team of 6, to prepare children attending preschool in low-income neighborhoods for school success, by focusing on language and literacy skills

Teaching Assistant - "Science and the Environment" Sept 2012-Dec 2012

Pomona College Environmental Analysis Department: Claremont, CA

- Assisted professor in leading class discussions, preparing lesson materials, and grading homework assignments

Tutor Jan 2011-May 2011

Upward Bound (Harvey Mudd College): Claremont, CA

- Tutored high school students in all subjects and study skills during Saturday study hall

SKILLS

Trilingual (English, Russian, Spanish) | Effective Communicator | Zero Waste Specialist | Team Player
Experienced Researcher | Practiced Public Speaker | MS Word, Excel, PowerPoint
Scanning Electron Microscope User | GIS Certified | Clear, concise writer

ACTIVITIES AND INTERESTS

- Member of Northern California Recycling Association Mar 2016-Present
- 99 Series Champion - elected by peers at SF Environment Jan 2016-Feb 2017
- Pomona College Organic Farm Club Leader Fall 2011-May 2014
- On the Loose Leader - Outdoor Club of the Claremont Colleges Fall 2010-May 2014
- Education, the ocean, environmental policy, backpacking, farming, yoga, volleyball