

Kovas S. Zygas

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OBJECTIVE STATEMENT

I am an ambitious recent graduate holding degrees in Geology and Physics with experience performing geologic field investigations, conducting independent scientific research, and one year of experience executing environmental restoration projects in the field. I have enthusiasm to leverage my education from a top liberal arts institution, my professional communication skills, and my practical skills in working in the field to support a variety of consulting projects. I am eager to conduct fieldwork, to learn skills in conducting environmental site assessments, and to analyze and interpret data in support of environmental remediation projects. I have ambitions to develop my career as an environmental consultant, and to gain experience toward earning professional licensure as a Hydrogeologist.

EDUCATION

B.A. Geology & Physics, *cum laude*

Macalester College (St. Paul, MN)

GPA: 3.67

Graduated May, 2016

Independent Undergraduate Research:

“Detrital Zircon Geochronology on the Quetico subprovince, NE Minnesota: Implications for the Archean Accretionary Prism Model”

“ZnO Thin Films Generated by Ex-Situ Thermal Oxidation of Metallic Zn for Photovoltaic Applications”

Relevant Coursework: Surface & Groundwater Hydrology, Geomorphology, Chemistry, Sedimentology, Differential Equations, Geophysics

Field Geology (Dillon, MT)

Grade: A-

University of Minnesota - Twin Cities

Completed August, 2016

- Conducted field investigations: developed strong skills in field orientation, interpreting topographic maps; field sampling and field data collection; data analysis; documenting observations and writing field reports; interpreting and understanding a variety of geologic conditions and features; and problem-solving both independently and collaboratively on a team in various field settings

SKILLS SUMMARY

Fieldwork

- Field Geology Course - collected field data; documented detailed field data and notes used to prepare technical documents
- Environmental restoration crew technician for EarthCorps - 1 year of experience collaborating with project team members to conduct technical environmental restoration projects in riparian, wetland, and coastal systems, and urban forests throughout the greater Puget Sound region, enthusiastically performed fieldwork to support project managers, while coordinating and communicating with project managers, clients, federal, state and local agencies
- Hydrology Coursework - experience with aquifer testing methods: pump and slug tests, groundwater probing, streamflow gaging, assessing stream morphologies, and testing soil permeability; introductory knowledge of groundwater modeling
- Conducted independent geologic research - collected field data and samples through interpreting geologic maps, and using GPS

Data Analysis & Interpretation

- In completing a physics degree and conducting two independent research studies I developed advanced skills in statistical and mathematical calculations; strong skills in analyzing and interpreting scientific data; a fluency in data entry and data management in MS Excel; experience in quantitative analysis of experimental data sets; and experience using MATLAB for numerical analyses
- Sustainable Vertical Farm Technician Intern - supported farm operations and exploratory research; sampled and collected data on water quality in large water reservoirs, prepared data logs, and regulated reservoirs' nutrient content, temperature, and acidity

Communication & Writing

- Wrote technical reports on my independent research theses and publicly presented the results of my research using graphics and diagrams I prepared using my proficiency in MS Office and Adobe Illustrator
- Volunteered for the Northwest Immigrants Rights Project as an interpreter between Hispanic clients and an immigration attorney
- My broad liberal arts education helped develop my exceptional verbal and written communication skills and critical thinking skills

Leadership & Teamwork

- Team Captain of Macalester College Men's Soccer - helped lead team to undefeated regular season & conference championship
- Completed a year-long environmental leadership training program at EarthCorps in 2017 and regularly led community volunteers
- Crew Leader for College Muscle Movers - led a crew of employees, communicating with clients professionally and respectfully
- Lithuanian Scouts Association: Collegiate Division - presented thesis, “Science Combating Climate Change” to academic panel

Additional Skills

- Knowledge of soil, sediment, and rock classification standards & experienced with a wide variety of laboratory equipment
- Proficient in Spanish - semester abroad in Santiago, Chile enrolled in courses taught entirely in Spanish, participated in homestay

WORK EXPERIENCE

AmeriCorps Environmental Restoration Crew Technician, **EarthCorps** (Seattle, WA)

March 2017 - December 2017

Kitchen Crew Member, **Marination** (Seattle, WA)

October 2016 - February 2017

Crew Leader & Customer Service Representative, **College Muscle Movers** (St. Paul, MN)

May 2014 - August 2016

Physics Tutor & Homework Grader, **Macalester College - Physics Department** (St. Paul, MN)

September 2014 - May 2016

Farm Technician Intern, **Green Spirit Farms - Sustainable Vertical Farming** (New Buffalo, MI)

January 2013 - January 2014