

Education

Brigham Young University - Provo, Utah

Graduation December 2019

- BS Civil and Environmental Engineering, GPA 3.4
- Study Abroad: Dominican Republic with INDRHI (National Water Resources Department)

Work Experience

BYU Hydroinformatics Lab – Research Assistant

April 2018 – Present

- Computational, global scale hydraulic, hydrologic modeling with custom app software (Tethys)
- Researched funded by NASA, JPL, United Nations Group on Earth Observations (UN GEO)
- Developed app to predict, track endemic disease across Africa, recommend solutions
- Web App development in Python and Javascript – some HTML, CSS, Django, Visual Basic

BYU Geomatics (GIS and Surveying) Teaching Assistant

May 2017 – May 2018

- Personally developed 13 lab assignments and Final Exam to teach surveying and GIS skills
- Developed and presented in lab sections on GIS skills in ESRI's ArcGIS software package
- Responsible to grade assignments, input grades, teach review sessions

RCH Engineering PLLC – Founder

January 2018 – Present

- Consultant for civil engineering, IT services, website management, technology to Arizona businesses
- Produced CAD models and renderings of proposed building interior, exterior renovations
- Independently seek jobs, quote prices, manage business relationships with professionals

Kevin Rose Professional Cleaning Services

April-August 2014

- Independent contracted to clean homes, businesses, restaurants to professional standards
- Personally represented the company to business owner clients and managed their accounts
- Trusted with building keys, alarm codes, safe combinations, sensitive information

Volunteer/Service Experience

ASCE Officers- BYU Student Chapter (Networking Committee)

April 2018-Present

- Plan, coordinate networking events with engineering companies, students, BYU
- Volunteer service to local K12 schools and after school programs promoting STEM
- Spent several hours per week planning and/or hosting events to serve other students

BYU Concrete Canoe Team

August 2017-Present

- Participated in team that designed concrete mix to meet project standards and requirements
- Prepared, poured, cured concrete used in competition at regional and national ASCE competitions

Volunteer Missionary (Church of Jesus Christ of Latter-Day Saints)

Jan-Dec 2015

- Unpaid, Full-time, representative of an international church and its practices in North Italy
- Responsible for daily interactions with diverse cultures, languages, religions, educations

Notable Achievements and Skills

- Computers: Python, Java, Microsoft Office, Visual Basic/VBA, Web Sites/Apps, Hardware Repair
- GIS and Geospatial analysis, especially ESRI products including ArcGIS, arcpy, modelbuilder
- Ethical, Dependable, Team Player, Self-Motivated, Organizational skills
- Boy Scouts of America- Eagle Scout, 3 palms, 2 years in local unit leadership while a scout
- Multilingual- English, Spanish, Italian