

Alexander S. Marvick

EDUCATION

GONZAGA UNIVERSITY, Spokane, WA

May 2016

Bachelors of Science, Civil Engineering

- Studied abroad Spring Semester 2014 in Florence, Italy with Gonzaga-In-Florence

COURSEWORK: Computer Science I: Introduction to Python, Chemistry, Calculus I-III, Physics I-II, Statics, Dynamics, Differential Equations, Statistics for Experimentalist, Mechanics of Materials, Geomatics, Structural Analysis, Construction Materials Lab, Soil Mechanics, Fluid Mechanics, Environmental Engineering, Sustainable Systems and Design, Foundation Engineering, Steel Design, Masonry and Timber Design, Finite Elements with Lab, Pavement Design, Concrete Design, Transportation Systems and Design

SKILLS & ABILITIES

TUTORING

- Practiced effective communication skills by delivering my knowledge to other students

CRITICAL THINKING

- Enhanced critical thinking ability through philosophy courses; identifying logical fallacies and ethical practices

AUTOCAD & CIVIL 3D

- Designed a road located near a high school campus on Civil 3D for an end-of-term project

LAND SURVEYING

- Executed a land survey on campus and represented the data in AutoCAD in a surveying course

TECHNICAL WRITING

- Emphasized on technical writing techniques and professional presentation in previous laboratory courses

COMPUTER SKILLS & PROGRAMMING

- Studied languages including C++, Java, Python, HTML, CSS, JavaScript and jQuery independently
 - Practiced and reviewed concepts repetitively in Microsoft Office software including Word, PowerPoint, Excel and Project
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EMPLOYMENT & VOLUNTEERISM

GONZAGA UNIVERSITY PHYSICS DEPARTMENT, Spokane, WA

September 2015 – April 2016

Lab Teacher's Assistant and Grader

- Assisting a professor in weekly lab sessions for Physics courses on Electricity & Magnetism and Mechanics
- Critiquing and grading students lab reports in order to ensure understanding and organization of the material

WYZANT TUTORING

May 2015

Independent Contractor and Tutor

- Instructing students independently upon their request at any time and place
- Achieved over 100 hours supporting students with the desire to succeed in mathematics and web programming
- Oriented teaching approaches in order to ensure customer satisfaction

HABITAT FOR HUMANITY, Spokane, WA

October 2014

Construction Assistant

- Constructed homes in Spokane, WA, providing a sense of community to help those in need
- Measured distances on rooftop to space and build truss supports
- Inserted insulation in walls throughout the interior of the homes being worked on

LIN & ASSOCIATES, INC, Seattle, WA

May 2014 – August 2014

Student Intern

- Performed multiple land surveys for light rail projects in Seattle areas
- Represented data in AutoCAD from land surveying projects to produce and edit maps

GLENDAL GOLF & COUNTRY CLUB, Bellevue, WA

May 2013 – August 2013

Groundskeeper

- Maintained the golf course via lawn mowing, garbage cleaning and landscaping at early hours
- Operated landscaping-pertinent vehicles and machinery; specifically lawn mowers and stick-shift vehicles