

# Alexander S. Marvick

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## 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-II: Fundamentals in Python/C++, Calculus I-III, Physics I-II, Introduction to OOP, Principles of Marketing, Mechanics of Materials, Geomatics, Structural Analysis, Hydrology, Finite Elements + Lab, Transportation Design + Lab

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## SKILLS & ABILITIES

### COMPUTER PROGRAMMING

- Independently studied languages with highest proficiency in C++, Java, HTML5, CSS, JavaScript and jQuery
- Developed a personal website with professional content using HTML, CSS, jQuery and JavaScript (link in header)

### TECHNICAL WRITING

- Emphasized on technical writing techniques and professional presentation in laboratory courses
- Implemented relevant research and calculations to enhance validity in reports

### CRITICAL THINKING

- Enhanced critical thinking ability via philosophy courses; identifying logical fallacies, ethical practices and interpretation
- Indulged in concepts over procedures in technical courses to understand theoretical backgrounds

### AUTOCAD & CIVIL 3D

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

### INDEPENDENT WEB DEVELOPMENT CONTRACTOR

May 2016 – Present

Web Developer

- Developing aesthetic and appealing websites for small businesses upon their request
- Currently in the process of completing first venture with a construction company located in Renton, WA

### WYZANT TUTORING

May 2015 – Present

Independent Contractor & Tutor

- Instruct students independently upon their request at any time and place, totaling over 100 hours
- Support students with the desire to succeed in mathematics and web programming
- Orient teaching approaches and practiced effective communication skills in order to ensure customer satisfaction

### GONZAGA UNIVERSITY PHYSICS DEPARTMENT, Spokane, WA

September 2015 – April 2016

Lab Teacher's Assistant & Grader

- Assist a professor in weekly lab sessions for physics courses on Mechanics, Electricity & Magnetism
- Critique and grade students lab reports in order to ensure understanding and organization of the material

### 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

### GLENDALE GOLF & COUNTRY CLUB, Bellevue, WA

May 2013 – August 2013

Groundskeeper

- Maintained the golf course via lawn mowing, garbage cleaning and landscaping at early hours
  - Contributed to tournament set-ups requiring additional hours of work later in the day
  - Operated landscaping-pertinent vehicles and machinery; specifically lawn mowers and stick-shift vehicles
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## EXTRACURRICULAR ACTIVITIES

### GONZAGA UNIVERSITY COMPUTER SCIENCE CLUB

October 2015 – April 2016

- Engage with an atmosphere of Computer Science students and other creative minded individuals
- Encourage and create self-made projects, emphasizing on finding a desired field in Computer Science
- Practice writing code and software to solve simple tasks and exercise abilities