

## Claire Hartwig Alberg

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### OBJECTIVE:

- My objective is to broaden my experience and further my education in STEM while studying with others in the field and bettering my skills of collaboration and communication.

### EDUCATION:

#### Pacific Lutheran University (PLU) Tacoma, WA

#### Bachelor of Science in Physics (GPA: 3.94)

May 2020

Other Programs/Organizations

International Honors Program

Division 3 Varsity Athletics (Women's Rowing)

#### Scientific Background:

Classical Mechanics

Quantum Mechanics

Materials

Differential Equations

Electricity and Magnetism

Waves and Fluids

Computer Science (Java)

Chemistry

Calculus

Linear Algebra

#### International and Multicultural Engagement:

Neah Bay: Makah Culture Past and Present (Study Abroad Program)

January 2017

International Honors: Oxford Program

Spring 2019

Languages

- Conversational in German

- Conversational in Spanish

### WORK EXPERIENCE:

#### PLU Office of Admissions

2017- 2020

#### Admissions Ambassador

- Worked as a tour guide to show prospective students around the campus to better inform them of what PLU has to offer.
- Took students to lunch and coffee as well as hosted them overnight providing a one on one experience where they could get questions answered.
- This position has helped me to be honest, informative, and knowledgeable. Being a tour guide has also aided in my ability to convey information in a positive and genuine manner for a wide range of individuals.

#### PLU Women's Rowing (Extra-Curricular Experience), Tacoma, WA

2016 - 2018

#### Coxswain

- Division III varsity athlete and two time Northwest Conference Champion

- Coxswains serve as leaders on the team as they steer the boat and relay information given by the coach to their boat.
- This experience helped me to develop leadership skills, become comfortable in a position of authority, facilitate teamwork, and practice efficient communication.

**PLU Center for Student Success**

**2019 - 2020**

**Physics Tutor**

- Helping students enrolled in introductory level physics courses with content of the class as well as aiding them in developing effective work and study habits through appointments and drop in tutoring sessions.
- This position and the training that accompanies it not only solidifies my knowledge of the basic physics ideas, but it helps me to learn how to translate complicated ideas into more simple terms and approach people and problems in a completely unbiased and non judgemental manner.

**AWARDS/HONORS:**

**Presidential Scholarship**

**Merit Scholarship**

**Fall 2016 - Spring 2020**

- One of the highest merit scholarships that PLU awards to incoming first year students
- 125 students chosen from an applicant pool of 600 students based on aptitude, leadership skills, involvement in their community, and high school GPA

**Dean's List**

**Merit Award**

**Fall 2016 - Spring 2020**

- Students must maintain a 3.50 or above average GPA to qualify for this title
- Students must also be enrolled in at least 12 credited hours in the semester to qualify

**International Honors Study Abroad**

**Oxford, England**

**Spring 2019**

- Linked with the honors program, this study abroad allows students to take two different tutorials at Oxford University as well as an intensive course related to the supervising faculty member's area of expertise.
- My primary tutorial while at Oxford was Quantum Mechanics, my secondary tutorial was in Forced Migration and Refugee Studies.
- Both of these tutorials were integral in improving my skills for independent study and research because they allowed me to learn how to navigate an extensive library system and utilize resources other than my instructor.

**PROJECTS/RESEARCH:**

**Capstone Project**

- Senior project to complete degree at the end of senior year
- For this project I completed extensive literature research and presented on modeling methods for sediment transport, the project was intended to be a design project but covid-19 pushed students off campus and it was changed to a literature review.

**Research Project for Electricity and Magnetism**

- Literature review on biomagnetism
- For this project I completed a paper and poster presentation after doing extensive reading and research on biomagnetism and the electromagnetic theories that drive it.

