

Andrew Macpherson

macphersona@spu.edu | (714) 322-0669 | linkedin.com/in/macphersona | andrewm.tech

Skills and Qualifications

- Highly proficient in C++, C#, Python, JavaScript, HTML, CSS, Sass, SQL
- Skilled in Vue.js, Node.js, Phaser.js, jQuery, Bootstrap, Responsive Design, BeautifulSoup, Ruby, F#
- Passionate and experienced in data analytics with strong analytical skillset (Tableau, Excel)
- Exceptional communication skills, both written and verbal

Education

Bachelor of Science in Computer Science	<i>Seattle Pacific University, Seattle, WA</i>	June 2023
Bachelor of Science in Physics	<i>Seattle Pacific University, Seattle, WA</i>	June 2023
Bachelor of Arts in Honors Liberal Arts	<i>Seattle Pacific University, Seattle, WA</i>	June 2023
Study Abroad	<i>University of Roehampton, London, England</i>	Sept – Dec 2021

Relevant Experience

Intern, Inflight Operations

June – September 2022

Frontier Airlines, Denver, CO

- Overhauled complex logistical network to oversee distribution of over 500 crew badges nationwide
- Worked with hundreds of flight attendants & visited planes daily to ensure smooth operations
- Helped ensure smooth operations by monitoring crew rooms and soliciting personnel feedback

Deputy Data Director, Regional Tech Captain

August – November 2020

Harley Rouda For Congress, Newport Beach, CA

- Evaluated, managed, updated, and analyzed hundreds of thousands of data weekly
- Recognized and quickly promoted multiple times to perform expanded cross-platform technical duties

Special Projects

Computer Vision Deep Learning in Astronomical Image Classification

March 2022 – June 2023

Seattle Pacific University, Seattle, WA

- Undergraduate Honors capstone involving extensive interdisciplinary research at multiple universities
- Used deep learning techniques to develop framework for AI classification of astrophysical phenomena

Graduation Planning Web App

September 2022 – June 2023

Seattle Pacific University, Seattle, WA

- Lead web engineer with focus on backend data integration and harmonizing group contributions
- Innovated new solutions and technical tools to solve a need for students at Seattle Pacific University

Data Analysis with Python

January – March 2020

Seattle Pacific University, Seattle, WA

- Undertook a self-taught, faculty-guided independent study to learn and apply Python tools & principles
- Mined, modeled, & analyzed statistics to identify outstanding performances and hidden trends

Research and Statistical Analysis Pertaining to Viewpoint Associations

June 2018 – May 2019

Pacifica Christian High School, Newport Beach, CA

- Studied statistical correlations between viewpoints by designing, administering, and analyzing survey to collect, identify, and quantify subjective and tacit convictions using statistics and computer science

Additional Experience

Society for Physics Students VP	<i>Seattle Pacific University</i>	September 2021 – Present
Physics Tutor	<i>Virtual/Newport Beach, CA/Seattle, WA</i>	February 2021 – Present
Physics Learning Assistant	<i>Seattle Pacific University</i>	January – March 2022
Children's Ministry Volunteer	<i>First Christian Church, Huntington Beach, CA</i>	July 2021 – Present
Flag Football Official	<i>Underdog Sports Leagues, Seattle, WA</i>	September 2019 – Present
Eagle Scout	<i>Boy Scouts of America, Troop 1</i>	Awarded September 2019