

Andrew Macpherson

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Skills and Qualifications

- Tech-savvy data scientist skilled in telling compelling stories that drive informed decision-making
- Deep expertise in business analysis, metrics, reporting, and analytic toolkits (Tableau, Power BI, etc.)
- Experienced GitHub user with experience in software development lifecycle and CI/CD
- Highly skilled in Python and big data with additional skills in SQL, C++, C#, JavaScript, & more
- Strong team player capable of functioning independently with minimal oversight
- Expert in Microsoft Office (Word, Excel, PowerPoint, etc.)

Education

Bachelor of Science, Computer Science	<i>Seattle Pacific University</i>	June 2023
Bachelor of Science, Physics	<i>Seattle Pacific University</i>	June 2023
Bachelor of Arts, Honors Liberal Arts	<i>Seattle Pacific University</i>	June 2023

Relevant Experience & Projects

Continuous Improvement/Quality Manager December 2023 - Present
New-Indy Packaging, Los Angeles, CA

- Designed, and built insightful dashboards for key stakeholders to facilitate data-driven decision making
- Streamlined daily processes through automation technology and process optimization leadership
- Implemented ERP data and query upgrades to improve speed by over 50% and security
- Applied advanced data analytics skills in developing automated financial tools using Python and SQL
- Directly and indirectly managed dozens of individuals while routinely coordinating with other department heads and executive leadership, demonstrating strong leadership and effective communication skills

Associate Market Strategy Yield Analyst July – September 2023
Southwest Airlines, Dallas, TX

- Utilized data analytics to examine historical performance and identify future revenue opportunities
- Implemented innovative revenue management techniques to enhance analytics performances
- Conducted an extensive market study to assess demand trends providing actionable insights

Computer Vision Deep Learning in Astronomical Image Classification March 2022 – June 2023
Seattle Pacific University, Seattle, WA

- Award-winning project involving extensive interdisciplinary research at multiple universities
- Used deep learning techniques to develop framework for AI classification of astrophysical phenomena
- Downloaded in over 60 countries across all 6 continents

Graduation Planning Web App September 2022 – June 2023
Seattle Pacific University, Seattle, WA

- Lead web engineer of a 6-person software development team creating a full-stack web application
- Developed innovative and technical tools to solve a need for Seattle Pacific University students
- 2023 Erickson Conference Award Winner

Intern, Inflight Operations June – September 2022
Frontier Airlines, Denver, CO

- Diagnosed and targeted operational inefficiencies to conserve and streamline company resources
- Performed extensive data analysis to enhance airline operations and corporate systems

Deputy Data Director, Regional Tech Captain August – November 2020
Harley Rouda For Congress, Newport Beach, CA

- Oversaw large scale phone banks (5 million+), supporting volunteers technically
- Managed, updated, and analyzed large datasets, leading to expanded technical responsibilities