COVER LETTER

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Hiring Manager
AirSeal CardioVascular Inc.

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Health Economics Intern position at AirSeal CardioVascular Inc., as advertised through the SkIP Summer Program. As a current M.Sc. student in Computer Science at Washington University in St. Louis, specializing in areas like Artificial Intelligence for Health, and holding a B.A. in Computer Science and Data Analytics with a Minor in Economics from Ohio Wesleyan University, I am confident that my strong analytical background, technical skills, and passion for leveraging data to solve real-world problems align well with the requirements of this role and AirSeal's innovative mission.

The opportunity to contribute to a cost-benefit analysis for a novel cardiovascular diagnostic technology is particularly exciting. My proficiency in Python and R, combined with hands-on experience in data analysis, has prepared me to assist with the statistical analysis of healthcare data required for this project. In my previous role as a Data Analyst Intern at Lab714, I utilized data-driven insights to achieve a 20% reduction in costs for clients and engineered software using React and AWS to analyze complex datasets - experience directly relevant to evaluating the economic impact of new technologies.

Furthermore, my academic research has involved working directly with healthcare-related data. For instance, in predicting Alzheimer's Disease, I implemented deep learning and machine learning models using Python (TensorFlow, Scikit-learn) to analyze both clinical and imaging data (OASIS-1). Additionally, my independent study on AI's workplace impact involved designing a survey experiment and analyzing the resulting data using R and Tableau to identify key trends. These experiences have honed my ability to manage complex data, apply appropriate analytical techniques, and derive meaningful insights - skills crucial for supporting economic modeling and contributing to reports and potential journal publications. My Economics minor provides a foundational understanding of economic principles that I am eager to apply within the health economics sphere.

I am a detail-oriented and collaborative individual with strong communication skills, as demonstrated through various leadership roles and research presentations. I am adept at managing multiple tasks and meeting deadlines, and I am eager to learn from the experts at AirSeal CardioVascular while contributing meaningfully to your pivotal project on value-based pricing and coverage decision-making.

Thank you for considering my application. I am eager to discuss how my skills can benefit AirSeal CardioVascular and look forward to hearing from you soon.

Sincerely,

Aadarsha Gopala Reddy