Using my cover letters and resume can you write a cover letter for this job with similar tone and style as my writing style.

**Example Cover Letter**

I am incredibly excited to be applying to work as a Software Engineer with the Doerr School of Sustainability at Stanford University. I am drawn to your mission of helping humans and nature thrive and would love to bring my over seven years of corporate and academic software development experience to this role. I am passionate about utilizing innovation to help humans and nature thrive. Currently, I working with researchers and scientists to complete a software project with the College of Earth Ocean and Atmospheric Sciences at Oregon State University.

I fell in love with the power of innovation and software during my master’s degree in the College of Engineering at Oregon State University. As a graduate student I designed and developed digital radiation detection software that was funded by the Nuclear Regulatory Commission and Department of Energy. Since then, I have worked at both Amazon and Nike as a Software Engineer developing software applications and supporting our existing services. In these roles I have had a high level of responsibility designing and deploying high scale systems into the cloud that I believe would be useful working with the Natural Capital Project. At Amazon, my passion for customer experience led to my being asked by senior leadership to help co-found a new team focused on improving our platform and providing a better user experience for our business users. I currently work in logistics at Nike where my team manages over 200 micro-services that handles all product information as goods flow from manufacturing facilities to retail outlets and customers. A recent project I recently lead and completed was deploying two new services for data ingestion and standardization for our shipping partners Maersk and Nippon.

I have also worked with scientists and researchers developing software in an academic setting. At OSU I worked on an industry partnership with Fujitsu developing and testing the backend software for a new energy efficient system that is now on the market. Currently I am working with the College of Earth Ocean and Atmospheric Sciences developing a Python based software application for data collection and analysis. My love for innovation led me to gain my MBA with a focus on entrepreneurship. As an undergraduate I was one of the founding interns for the OSU Venture Accelerator and would love to be a part of the work being done by the Sustainability Accelerator.

I believe the type of work being done in the Doerr School of Sustainability is deeply important to preserving the beautiful ecosystem we are so fortunate to have. The reason I sought I volunteered with the College of Earth Ocean and Atmospheric Sciences was my desire to bring my love of innovation and technology to solving pressing issues. I really hope I am able to speak more about my interest in this role and the work you are doing.

from full stack development to scientific research. One example was working as an engineer as part of an industry partnership with Fujitsu helping to develop a user facing cloud based IOT application that is now on the market. In the last couple years I have become increasingly interested in the use of technology in the field of research for sharing data. I just completed a project where I lead a team building a Python project with the College of Earth Ocean and Atmospheric Sciences at Oregon State University. This project is actually very similar to the work done by OpenNeuro but the data we share is different but I feel the skills would translate directly to my ability to make an impact on what you are working on.

I really love research and academia and hope to bring my software engineering experience and passion to a role like this. I hope I am able to speak more about my interest in this role and the work you are doing.

**Example Cover Letter**

I am incredibly excited to be applying to work as an Upskilling Lead and Learning Process Owner. I have over seven years of relevant experience working in technology and education at Oregon State University, Amazon and Nike that I would love to bring to this team. I have been involved in large scale organization change in all three of my professional roles. This includes taking a leadership role in the modernization of major systems and educating employees to manage change and use these new systems effectively.

I am passionate about helping others going back to my first job as a student athlete tutor with the OSU Athletics Department. Since then, I have also worked as a teaching assistant and instructor with the College of Business and College of Engineering at OSU. My love for technology and higher education led me to a position as a Business Analyst in the Division of Student Affairs. In this role I was engaged in several major modernization projects much like what is being done by AMP. As part of a larger rebranding, I lead the technology related efforts in our department to move to new CRM software, migrate data and create training for our staff on these new systems. I was also asked by the Dean of Student Life to lead a large initiative to establish a new data program for the department and bring in over seven years of past data. I left this role to join the Office of the Dean of Students as a Research and Data Analyst Program Lead to help modernize software and processes used in the Basic Needs Center.

I left OSU to join Amazon as a Campaign Manager and Engineer helping to implement a new security platform used by all of Amazon and Amazon partners like Ring and Twitch. While at Amazon I helped found a new team related to customer service and helping Amazon employees use our software effectively. In my role I lead the development of new software, created training documentation, facilitated groups to gather user feedback and helped employees learn how to use our complex software effectively. At Nike I work in logistics and our team handles all Nike product moving across the supply chain. My role has a customer focus as we help both internal and external supply chain partners manage our complex software and solve issues arising in the supply chain. We have been undergoing major change including rebuilding over 200 microservices in Java, integrating these with external vendors like SAP and Oracle and creating training videos and documentation for the engineering teams using these new distributed services.

I really love helping others and my goal in this role would be to help OSU employees feel good about changes taking place and for them to know that they are supported and cared for. I would love the opportunity to speak more about my background and interest in working here.

**Resume  
*EDUCATION***

**Masters of Science, Cum Laude Oregon State University**

Masters of Business Administration June 2013

**Masters of Science, Cum Laude Oregon State University**

Radiation Physics June 2010

**Bachelor of Science, Cum Laude Oregon State University**

Health Management and Policy December 2007

***TECHNICAL EXPERIENCE***

* **Languages:** Java, Python and JavaScript  
  **Databases:** MySQL, SQL, DynamoDB, Microsoft SQL Server
* **AWS and Cloud:** OSU Banner, Lambda**,** ECS, SQS, EC2, CloudWatch, S3
* **Development:** Spring Boot, React.js, Node.js, Express, Jenkins CI/CD, Git and GitHub, REST APIs, Splunk, JSON, JUnit, Jest, Mockito, JUnit and Integration Testing, Docker, NPM, Google APIs
* **Front End:** HTML5, CSS3, Bootstrap, Use of Responsive Design Principles
* **Development Tools:** Visual Studio, IntelliJ, Figma, Git, Github, Bitbucket, XCode

***PROFESSIONAL EXPERIENCE***

**Senior Software Engineer**

Nike Portland, Oregon 6/2023 to present

* Work in Logistics where our team handles all data and events for the Nike Supply Chain including internal business customers and external business partners like SAP, Oracle and Uber Freight
* Team lead on new EMEA project in Europe rolling out seven new microservices for handling data with Nike and our partners like SAP, Oracle, Maersk, Nippon and CEVA
* Support the full software development lifecycle on a platform with a distributed system architecture built with over 180 micro-services utilizing Python, Java, Spring Boot and Kafka
* Work in an Agile environment providing production support, developing new Java and Python services and leading education efforts for new engineers

**Software Development Engineer II- Campaign Manager**

Amazon Seattle, Washington 10/2021 to 4/2023

* Campaign Manager on internal Shepherd Platform which handles all information security data across Amazon and Amazon partners like Ring and Twitch
* Was asked by leadership to become founding member of new SCM Team which focused on customer service and improving Shepherd Platform for business users and stakeholders
* Led SCM team efforts to handle campaign onboarding for all of Amazon and Amazon partners like Ring and Twitch including development of training programs for all of Amazon
* Led numerous projects including working with stakeholders to identify, define, document and plan for projects on a quarterly basis; an example of a project was a new web application which eliminated work previously done by 3 engineers and lowered customer wait time from days to minutes

**Office of the Dean of Students- Research and Data Analyst Program Lead**

Oregon State University Corvallis, Oregon 5/2019 to 7/2021

* Worked with the Basic Needs Center to help gather data and support process development for programs including the Textbook Lending Program, Basic Needs Navigator and Food Pantries
* Team lead for technology platforms at the Basic Needs Center with projects including developing reporting tools for employees, rebuilding our student aid application software and helping to supervise student staff
* Work with University Leadership to develop analytical reports and data pipeline tools for staff primarily using Python, SQL and Adobe Suite

**Software Engineer**

Cambia Health Solutions Portland, Oregon 10/2018 to 4/2019

* Work in an Agile environment as a Software Engineer on the Customer Onboarding Team developing features and supporting business teams primarily utilizing Java, Spring Boot and Python
* Worked with Quality Assurance and Engineering Teams to facilitate user acceptance and improvements on customer facing software applications
* Worked extensively developing unit tests for server code without test coverage as the company moved towards a more continuous integration environment

**Division of Student Affairs- Business Analyst**

Oregon State University Corvallis, Oregon 6/2013 to 9/2018

* Led a large technology modernization project in the Division of Student Affairs including bringing in new CRM software, migrating data and training and supporting staff during the transition.
* Worked to support our data gathering and analysis including leading a Departmental Audit to gather and analyze 5 years of departmental data; utilized Java, Python, SQL and Excel
* Worked with multiple customers across OSU including students, faculty and staff to help the Career Development Center provide digital services more efficiently
* Project manager for transition to new career database which involved multiple departments including the Career Development Center, Office of Human Resources and Information Services

**Office of the Dean of Students- Graduate Assistant in Employer Relations**

Oregon State University Corvallis, Oregon 1/2012 to 6/2013

* Helped with digital marketing including employer newsletter, social media, updating website and working with marketing team to develop promotional material
* Helped found and co-chair our Career Services Advisory Committee with NW Employers including Target, Boeing, Rubicon, Boys and Girls Club, Enterprise Rent a Car, United Way and others
* Worked to plan, market and run events including our Career Expos which are attended by hundreds of employers and thousands of students every term
* Helped interview, train and supervise a team of undergraduate workers including helping to run our student staff meetings and individual weekly meetings

**Graduate Research Assistant: Department of Nuclear Science and Technology**

Oregon State University Corvallis, Oregon 10/07 to 5/10

* Designed, tested and built digital radiation and detection software utilizing Python
* Research was funded by the Nuclear Regulatory Commission and Department of Nuclear Science and Technology; Grant winner of $8,000 in additional funding for software development

***FELLOWSHIPS, GRANTS and AWARDS***

**Fellow: Achievement Rewards for College Scientists**  2010

* Nominated by Faculty and Selected for ARCS Fellowship providing $6,000 per year fellowship

**Grant Winner for Digital Radiation Software Design** 2008

* $8,000 dollar grant for software design

**Nuclear Regulatory Commission Research Grant** 2008-2010

* Full tuition and .49 Salary

**National Science Foundation**  2008

* Honorable Mention for original Thesis Proposal which changed

**Legacy Health System Scholar** 2005

* Nominated by faculty and selected for Legacy Health System Scholarship

**US Department of Energy Scholarship for Nuclear Engineering/Radiation Health Physics** 2005

* Interviewed and was chosen for an undergraduate scholarship

**Mortar Board National Honor Society**  2004

* Nominated for and selected to be involved in Mortar Board National Honor Society

***TEACHING EXPERIENCE***

**OSU Electrical Engineering and Computer Science Senior Capstone Project Sponsor**

Oregon State University Corvallis, Oregon 9/2015 to Present

* Work as a project sponsor on Senior Capstone projects primarily focused on mobile applications

**Instructor: Starting and Running an Agriculture or Horticulture Business**

Linn Benton Community College Albany, Oregon 9/2017 to Present

* Designed course curriculum and am responsible for all aspects of the course which is every Fall Term

**Instructor: Ba 260 Intro to Entrepreneurship**

Oregon State University Corvallis, Oregon 9/2014 to 1/2016

* Role involved designing all course curriculum including lecture slides, quizzes and tests

**Graduate Teaching Assistant: Department of Nuclear Science and Technology**

Oregon State University Corvallis, Oregon 10/2007 to 5/2010

* Teaching Assistant NSE 536 and NSE 236 involved with helping students with homework and attending and helping with labs

**Instructor: Radiation Biology and Radiation Physics**

Linn Benton Community College Albany, Oregon 9/2008 to 09/2010

* Design curriculum for and instructed courses which met ASRT Standards
* Courses covered topics like cell biology, math and physics basics, atomic and nuclear structure, EM and particulate radiation, photon interactions, differential absorption and principles of attenuation

**Student Athlete Tutor: OSU Athletic Department**

Oregon State University Corvallis, Oregon 10/2007 to 6/2008

* Tutored student athletes in math and health physics courses

***CAMPUS and VOLUNTEER WORK***

**OSU College of Earth Ocean and Atmospheric Sciences**

StudentCorvallis, Oregon 10/2023 to Present

* Working with researchers as part of the Transboundary Freshwater Diplomacy Database to develop a Python based data gathering and analysis software

**Position Details:   
Data System Specialist**

|  |  |
| --- | --- |
| **Job Summary** | **The Department of Forest Ecosystems and Society is seeking a Data System Specialist. This is a full-time (1.00 FTE), 12-month, professional faculty position.** Funding for this position lasts through 2028, and has the possibility of being renewed.  The Data System Specialist leads the design, implementation, and management of comprehensive data collection systems for the Elliott State Research Forest (ESRF) in the Southern Oregon Coast Range. This position plays a pivotal role in establishing and maintaining the digital infrastructure that will support long-term research initiatives and environmental monitoring across this 82,000-acre living laboratory.  The position coordinates the full data lifecycle, from initial collection through long-term preservation, ensuring alignment with OSU’s IT infrastructure and compliance standards while respecting tribal data sovereignty requirements. Key responsibilities include developing secure database systems, implementing real-time data streaming capabilities, creating web-based data portals, and establishing robust backup and disaster recovery protocols. The incumbent will ensure that data systems meet both immediate research needs and support long-term data preservation beyond the initial three-year grant period. This position develops and maintains secure data sharing protocols that balance open science principles with the need to protect sensitive environmental and cultural data.  Working at the intersection of technology and environmental monitoring, this role collaborates with a diverse group of collaborators including researchers, faculty, tribal communities, and public agencies. The incumbent works closely with the ESRF Instrument Specialist to integrate field instrumentation with data systems, ensuring seamless data flow from collection to analysis. This position leads the design and management of custom relational and spatial databases, performs geographic information systems (GIS) analysis, and develops software tools to support regional-scale vegetation modeling and mapping. |
| **Key Responsibilities** | **60% Data Management and Instrumentation Integration**   * Design a comprehensive data management plan to capture baseline terrestrial and aquatic conditions across the ESRF. * Design a data structure and standards that accommodates real-time data streaming, quality assurance, and long-term archiving including Data Security and Access Control. * Responsible for data quality and that specific data rules are developed and applied. * Ensures metadata is structured and validated to conform to standards. * Design, populate and manage spatial and relational databases. Design management structures to provide intuitive and secure access in a multi-user environment.This responsibility includes integrating new data into existing data structures, managing complex permissions to provide areas for sensitive information and ensuring updates to databases are handled by resolving conflicts and informing users. * Acquire data and perform quality assurance. * Distribute spatial and tabular data to researchers.As the primary distribution contact, this responsibility involves responding to user requests and questions, performing analysis if required and documenting the distribution. It is also important to understand the various technologies and methods for data transfer. * Plan for Business Continuity and Disaster Recovery * Design, implement and communicate results of spatial analyses using geographic information system (GIS) software.   **15% Information System Design and Web Portal**   * Develop a web-based data portal accessible to researchers, stakeholders, and the public. * Plan for the overall information system architecture including data and metadata schema. * Ensure web pages are designed and updated; and that web application programs are developed and implemented.   **10% Collaboration**   * Collaborate with tribes, OSU faculty and staff, Department of State Lands ESRF staff, and others on equipment type and placement and data access. * Works with scientists, cooperators, and others in designing databases for dynamic access on the web and archival, or for determining other technical solutions to research questions. * Continual interaction is necessary with the researchers while study data sets are being developed to assure appropriate metadata (experimental designs, methods, abstract) is provided, and that data quality is assured. * Work closely with the Instrument Specialist to ensure data and instrumentation are seamlessly integrated.   **5% Training, Documentation, and Reporting**   * Develop and maintain comprehensive documentation for all data systems, including technical specifications, user manuals, and standard operating procedures * Create instructional materials and user guides for web-based data portals and tools * Maintain detailed documentation of system configurations, custom code, and operational procedures * Prepare and submit regular grant reports documenting technical progress and system implementation * Generate metrics and analytics reports on system usage and data collection activities   **10% – Supervision**   * Provides leadership, supervision, and direction for assigned technical staff; plans, assigns, and reviews work; establishes goals for each position; and assesses performance through completion of written evaluations. Acts on disciplinary issues in coordination with other university offices. Recruits and interviews candidates; sets work schedules to ensure consistent operations; and manages the day-to-day work at remote facilities. |
| **What You Will Need** | * Bachelor’s degree in Computer Science, Information Systems, or related field; OR Bachelor’s degree in Natural Resources, Environmental Science, or related field plus 3 years of experience in research data systems management * 2 years of experience with database management systems (MSSQL, PostgreSQL, etc.) * Experience with database design and management * Demonstrate experience in web application development * Experience with data quality control and validation procedures * Proficiency in at least one programming language (Python, R, or similar) * Knowledge of metadata standards and data documentation * Experience with version control systems * Strong written and verbal communication skills * Proven ability to effectively communicate and collaborate with individuals from a variety of backgrounds and experiences | |
| **What We Would Like You to Have** | * Master’s degree in Computer Science, Information Systems, or related field * Advanced coursework in natural resources or environmental science * Experience with GIS software and spatial data management * Experience working with environmental or ecological research data * Previous experience in academic research settings * Experience with tribal data governance and sovereignty considerations * Experience with cloud computing platforms (e.g. AWS, Azure) * Knowledge of data visualization tools and libraries * Experience with automated testing and continuous integration * Experience with real-time data streaming and sensor networks * Demonstrated experience in cross-cultural communication * Project management experience * Experience training and mentoring others in technical skills * Track record of successful collaboration with individuals from a variety of backgrounds and experiences. * Experience writing technical documentation and user guides |