Jeffrey Lee

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EDUCATION

University of Washington   Seattle, WA
B.S. in Computer Science, GPA: 3.9/4.0   Exp. Graduation: June 2027
- o **Related Coursework:** Data Structures and Algorithms, Intro to Artificial Intelligence, Database Systems, Web Programming, Linear Algebra, Applied Linear Algebra and Numerical Analysis

SKILLS AND AWARDS

Programming: Java, Python, Javascript, PostgreSQL, HTML/CSS, MATLAB, R, REST API
Technologies: React.js, React Native, Node.js, Express.js, NumPy, PyTorch, Git
Awards: Quarterly Dean's List, California State Seal of Biliteracy for Chinese

EXPERIENCE

AMAZON   Sunnyvale, CA
Incoming Software Development Engineer Intern   Summer 2025
INTERACTIVE INTELLIGENCE — Machine Learning Education Committee   Seattle, WA
Teaching Assistant   Sept 2024 – Current
- Collaborating with club's education lead and fellow teaching assistants to develop 13 units of interactive projects, assignments, and hands-on coding exercises for 100+ students in the Intro to Neuroscience and Artificial Intelligence course
- Organizing and teaching lectures on convolutional neural networks, deep learning, reinforcement learning, the visual cortex, and neuroanatomy including developing 10+ slidedecks and demonstration code to enhance student engagement
- Facilitating 2+ office hours per week to build student understanding, contributing to 95% course satisfaction rating among participants

PROJECTS

IMAGE IDENTIFIER
Personal Project   April 2024
- Developed a convolutional neural network using PyTorch and NumPy to classify images from the CIFAR-10 dataset, which consists of 60,000 images across 10 different categories, including vehicles, animals, and everyday objects
- Achieved approximately 70% accuracy in identifying objects and animals through iterative model tuning and optimization techniques, including backpropagation and gradient descent, to enhance model performance and minimize overfitting

BOOK NOTES APP
Personal Project   July 2024
- Built a full-stack web app using React.js, PostgreSQL, Node.js, and Express.js to allow users to create 100+ book reviews and notes
- Integrated the Open Library Covers API to enable users to search, select, and store books based on ISBN, providing users with instant access to cover images, author information, and publication data from a database of over 70 million books

BLOG APP
Personal Project   Sept 2024
- Developed a fully functional blog application with React Native, offering a smooth user experience across iOS and Android devices
- Implemented dynamic navigation and a user-friendly interface for easy browsing, creating, and managing of up to 100 blog posts

ACTIVITIES AND LEADERSHIP

PHI CHI THETA — Professional Business Fraternity
Tech Commitee   Sept 2024 – Current
- Improving the fraternity website and creating tools like an attendance tracker and an automated newsletter and attending hackathons
- Collaborated with cross-functional teams to define project objectives, gather business needs, and outline technical requirements, ensuring alignment with organizational goals and efficient project execution
- Led technical planning and development for fraternity-wide projects, including alumni databases, career development portals, and member skill trackers, utilizing data visualization and system design principles

CHINESE STUDENT ASSOCIATION
Internal Vice President   Sept 2023 – Current
- Leading, planning, and organizing 5+ Chinese cultural events per quarter for 300+ members, volunteering in Chinese community events
- Managed internal relations within the officer board by developing and implementing reporting forms and tracking responsibilities across 30+ officers, leading to a 30% increase in task completion rates and reducing project delays by 20%