

## Jeffrey S. Lee

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### EDUCATION

#### University of Washington - Seattle

Expected Graduation: Fall 2026

Major: Computer Science

GPA: 3.85/4.00

- **Related Coursework:** Data Structures and Algorithms (CSE 373), Intro to AI (CSE 415), Applied Linear Algebra and Numerical Analysis (AMATH 352), Intro to Neuro/AI, Web Programming

### Projects

#### Image Identifier

April 2024

Personal Project

- Developed a convolutional neural network using PyTorch and NumPy to classify images from the 60,000-image CIFAR-10 dataset into 10 categories
- Achieved ~70% accuracy in identifying objects and animals through iterative model tuning and optimization using backpropagation and gradient descent techniques

#### Book Notes App

July 2024 - August 2024

Personal Project

- 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 ISBN-based book searches, providing users with instant access to detailed information from a database of 70 million books

#### Blog App

September 2024

Personal Project

- 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

#### Interactive Intelligence

Machine Learning Education Committee

September 2024 - Present

- Collaborating with club's education lead and fellow teaching assistants to develop interactive learning materials and assignments for 100+ students in Intro to Machine Learning course
- Organizing and teaching lectures on convolutional neural networks and the visual cortex, including developing 50+ slides and demonstration code, and facilitating 2+ office hours per week

#### Phi Chi Theta, Business Fraternity

Member

September 2024 - Present

- Collaborating with fellow members on professional development initiatives, enhancing skills in leadership, communication, and teamwork through workshops and interactive networking events with industry professionals
- Participating in organizational activities, contributing to the planning and execution of events aimed at fostering member engagement, and promoting the fraternity's mission

#### Chinese Student Association

Internal Vice President

October 2023 - Present

- Designing, planning, and organizing 4+ Chinese cultural events per quarter for 300+ members, volunteering in Chinese community events

### Skills and Awards

**Programming:** Java, Python, Javascript, PostgreSQL, HTML/CSS, MATLAB, R

**Technologies:** React.js, React Native, Node.js, Express.js, NumPy, PyTorch, Git

**Awards:** Quarterly Dean's List, California State Seal of Biliteracy