

# Wesley Teegarden

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Burlington, VT | [LinkedIn](#) | [GitHub](#)

## EDUCATION

**University of Vermont (UVM)**, Burlington, VT  
*Bachelor of Science in Computer Science with Minor in Music Business and Technology*

Expected Graduation: May 2026  
GPA: 3.32

## SKILLS

- Full-Stack Development: C++, Python
- Web Development: TypeScript (React), HTML, CSS
- Machine Learning: Neural Network Training, Model Evaluation, Agent Implementation
- Data Handling: SQL, NumPy
- Deep Learning: PyTorch, TensorFlow
- Front-End Development: UI and UX design
- Excellent Written and Verbal Communication

## PROJECTS

### MeetUp Website

*Software Engineering (Fall 2025)*

- Worked in a team to create a social networking website where users create and find local events to attend.
- Developed a full-stack web application using an Agile workflow, with a Python/Flask/SQL backend and a React frontend, and designing a RESTful API architecture to support client-server communication.
- Engaged in qualitative research to optimize the user experience.

### Mixing Master AI Agent

*NeuralSeek (Summer 2025)*

*LinkedIn demo [Here](#)*

- Developed an AI assistant chatbot for audio mixing troubleshooting using NeuralSeek's MAIstro platform.
- Leveraged GPT-5 to deliver context-aware, conversational support for technical problem solving.
- Tuned guidelines and guardrails to ensure confident and explainable answers.

### Raspberry Pi Machine Learning Guitar Pedal

*Computer Organization (Fall 2024)*

- Collaborated with a partner to design and build a real-time, neural network-based guitar effects pedal using Raspberry Pi 4.
- Developed a deep learning system to replicate analog pedal sound profiles with low-latency performance.
- Built an integrated system with a physical pedal interface, PyTorch training pipeline, and Wi-Fi-connected desktop control app featuring an intuitive GUI for live parameter tuning.

## RELEVANT COURSES

**Algorithm Design and Analysis** (Fall 2025)

**Software Engineering** (Fall 2025)

**Computability and Complexity** (Spring 2025)

## PROFESSIONAL EXPERIENCE

**NeuralSeek**, Miami, FL (Remote)

*Agent Builder Intern*

August 2025 – September 2025

- Designed custom use-case AI agent, developed strong foundations in successful AI implementation and ethics, and obtained NeuralSeek Agentic AI Certification levels 1, 2, and 3.