

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

NiteOut 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.