Evans M. Wood

(978) 618-5150 | evansminotwood@gmail.com
https://www.linkedin.com/in/e-minot-wood/ | https://evansminotwood.com

EDUCATION

Worcester Polytechnic Institute   Worcester, MA
Bachelor of Science in Computer Science & Data Science, GPA: 3.85   *Aug. 2023 – Present*

EXPERIENCE

Worcester Polytechnic Institute: Pre-Collegiate Outreach Program   Summer 2024 & 2025
Residential Program Advisor – Frontiers   *Worcester, MA*
- Facilitated two in-person, two-week STEM programs for high school students, leading technical workshops and activities.

E.H. Perkins   Dec. 2020 – Jan. 2021
Website Developer   *Hudson, MA*
- Redesigned and deployed corporate website using HTML, CSS, and JavaScript with responsive design.

PROJECTS

Sonus | Next.js, TypeScript, PostgreSQL, Prisma, SoundCloud API
- Developed a full-stack music voting platform with real-time queue updates and OAuth 2.0 authentication.
- Designed RESTful API with role-based access control separating public guest and protected host endpoints.
- Implemented auto-advancing DJ playback system with vote-ranked ordering and played-song state management.
- Engineered QR code generation and shareable event codes for frictionless guest onboarding.

Aureus | Go, Next.js, Python, PostgreSQL, OpenAI CLIP
- Designed microservices architecture with Go REST API, Next.js frontend, and Python ML service communicating via HTTP.
- Integrated OpenAI CLIP model for ML-powered coin classification with OpenCV-based multi-object detection.
- Built OCR pipeline for automated text extraction and connected external APIs for real-time price data.

Python-to-x86 Compiler | Python, x86 Assembly
- Engineered a multi-pass compiler with lexical analysis, LALR parsing, AST generation, and x86 code emission.
- Implemented intermediate representation optimization and dataflow analysis for efficient assembly output.
- Supported functional programming constructs including automatic garbage collection and lexically scoped closures.

Mount Washington Summit Virtual Tour   Aug. 2025 – Oct. 2025
- Worked with a team of four to develop an interactive, self-paced virtual tour in collaboration with the Mount Washington Observatory and six sponsors.

Languages: Python, TypeScript/JavaScript, Go, C, Rust, Java, SQL
Frameworks/Libraries: React, Next.js, Node.js, Gin, FastAPI, Prisma, Tailwind CSS
Cloud/Databases: AWS (Lambda, API Gateway, RDS), PostgreSQL, Redis, Docker, REST APIs
Tools: Git, Linux, OpenCV, OAuth 2.0/JWT, Tableau, LaTeX
Coursework: Software Engineering, Operating Systems, Databases, Algorithms, Machine Learning

HONORS & ACTIVITIES

Chapter President, Phi Sigma Kappa (PSK)

Member, Upsilon Pi Epsilon (UPE) Honor Society

Member, Order of Omega (OoO) Honor Society

Dean's List   2023 – Present
Five-Time Recipient   *WPI*