

ETHAN LOWE

PROGRAMMER

ABOUT

SKILLS

Python, TensorFlow, Pytorch
AWS, JavaScript, Mobile App Development,
C, C++, PLC Programming
Electric Circuits

CONTACT INFO

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PERSONAL PROJECTS

- **Launched website for Stream Recaps:** Uses AI to process longform content into a visualization, automated for a popular live streamer's streams. (Python, Django, React, AWS).
- **Conversational Skeleton Head:** Made Halloween skeleton head that turns and tracks trick or treaters, comments on their outfits, and talks conversationally using LLMs.
- **AI vision based 'Vision-Tag':** Built two working prototypes to use AI vision for hit registration in 1v1 game like laser tag.
- **Google Drive Smart Search:** Developed personal tool to query my google drive's documents by a description of what I want using vector embeddings.

WORK HISTORY

Electrical Engineering Co-op

Bridgestone Americas, Trenton, SC
2022-05 - 2022-12

- **Saving \$300k/year in scrapped tires** by building a green tire pressure sensing algorithm to alert and alarm for out-of-tolerance pressures.
- **Saving \$100k/year in electricity** after using a motor energy monitoring program I wrote to find inefficiencies. (Python).
- **Proving the feasibility of an AI vision system** to detect whether a tire curing assembly is locked before machine activation.

AI Engineering Contractor

Armada IQ, Charlotte, NC
2023-11 - 2024-3

- **Submitted xtechsearch grant proposal** on an AI powered therapist bot for the army.
- **Built backend and chatbot** for a cognitive behavioral therapy mobile app. (Python, Django).
- **Made demo analyzing soccer matches** with computer vision and visualizing the field.

Backend Development Contractor

Linkt, Austin, TX
2024-4 - 2024-6

- **Built backend** and did prompting for an Etsy AI generated listings tool. (Python, FastApi).

EDUCATION

Clemson University

2020-06 - 2023-05 Bachelor of Science: Computer Engineering
(Incomplete)

- **GPA: 3.5**, SC Life Scholarship Recipient
- **IEEE-HKN** Member