

CARTER SWARTOUT

Seattle, WA

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EDUCATION

B.S. Computer Science, 3.7 GPA, University of Washington/STARS Scholar Sept 2021 - June 2025

- Coursework: Deep Learning, Graduate Machine Learning, Graduate Natural Language Processing, AI, DSA, Modern Algorithms, Software Entrepreneurship, Computer Vision, Autonomous Robotics

EXPERIENCE

Software Development Engineer Intern June 2024 - Present
Amazon Web Services, HPC *Seattle, WA*

Researcher - MultiHopQA Project March 2024 - Present
AI DRG, University of Washington Information School *Seattle, WA*

- Creating a multi-hop, question-answering dataset using large-scale knowledge graphs

Interactive Intelligence (I2) VP Sept 2022 - Present
Interactive Intelligence *Seattle, WA*

- Developed a comprehensive 12-week course on deep learning and neuroscience for UW and other universities
- Taught and assisted over 100 students in I2's course, lecturing on transformers, NLP, and ML

Researcher - LLM Bias Project Sept 2023 - Jan 2024
SCALE Lab, University of Washington Information School *Seattle, WA*

- Led research with a global team to detect alignment and biases in LLMs
- Created an NLP pipeline with LLMs using UW's Hyak, Azure, and Hugging Face

Food Bank Volunteer Sept 2020 - Sept 2021
Port Townsend Food Bank *Port Townsend, WA*

- Ensured essential food support for clients during the initial stages of the pandemic
- Wrote on behalf of the food bank to a local newspaper to advocate for greater use of the organization

Congress-Bundestag Youth Exchange Ambassador Sept 2019 - April 2020
U.S. Department of State *Aachen, Germany*

- Awarded scholarship to represent the U.S. in Germany for a year with the U.S. Department of State
- Met and presented to United States and German officials on cross-cultural relationships

PROJECTS & ACTIVITIES

Writing Writing blog posts on AI and Deep Learning at cswartout.com. Written about GPT models, self-attention, and Hugging Face, additionally open-sourcing my notes from UW.

Bobby: Home Assistant, CSEED Buildspace Led the development of a modular home assistant utilizing OpenAI and Elevenlabs APIs. Enabled control of local devices through voice commands using Raspberry Pi.

STARS Student Advisory Council Created the new STARS Student Advisory Council to represent students.

Subreddit Simulator Trained GPT-2 with data from Reddit to create a subreddit simulator that generates posts and comments. Trained a BERT model to classify between my AI-generated and real content to filter candidates.

Turing Tweets Built a platform where users chose between real and AI-generated tweets. Finetuned GPT-2 with data from the Twitter API, serving the game through a Flask app on AWS Lightsail.