

CARTER SWARTOUT

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EDUCATION

Bachelor of Computer Science, 3.8 GPA, University of Washington/STARS Scholar Expected June 2025

- Relevant Coursework (through Winter 2024): Deep Learning, Graduate Machine Learning, Natural Language Processing, AI, Data Structures and Algorithms, Modern DSA, Software Entrepreneurship

EXPERIENCE

Research Assistant - LLM Bias Project Sept 2023 - Present
SCALE Lab, University of Washington Information School *Seattle, WA*

- Assisting a global team of researchers to detect and classify biases in LLM models
- Creating an NLP pipeline with LLMs using UW's high-performance computing clusters and Hugging Face

Outreach Lead & I2 Leadership Sept 2022 - Present
Interactive Intelligence *Seattle, WA*

- Developed a comprehensive 12-week course on Deep Learning and Neuroscience at UW and other universities
- Teaching and assisting over 150 students at I2's course, lecturing on Transformers, NLP, and other DL subjects
- Leading I2's development as a nonprofit by partnering with and teaching to companies and other universities

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

WPP NextGen Leader June 2020 - Aug 2021
WPP

- Gained insight into WPP and advertising through a 10 week learning series with company leaders
- Emerged from the program with an understanding of key trends in Marketing and Public Relations

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

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

Blog Posts 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.

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 an AWS Lightsail instance.