

# CARTER SWARTOUT

(360) 310-8080 ◊ Seattle, WA

[swartout@uw.edu](mailto:swartout@uw.edu) ◊ [cswartout.com](http://cswartout.com) ◊ [github.com/swartout](https://github.com/swartout) ◊ [linkedin.com/in/swartout](https://linkedin.com/in/swartout)

## EDUCATION

---

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

- Relevant Coursework (through Fall 2023): Deep Learning, Graduate Machine Learning, Data Structures and Algorithms, Software Entrepreneurship, Software Design and Implementation, Hardware-Software Interface

## EXPERIENCE

---

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

- Working with a global team of researchers to detect and classify biases in LLM models
- Creating an NLP pipeline with open-source models using UW's high-performance computing clusters
- Conducting literature review of current advances in bias research and other areas of NLP research

**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](http://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.