

EDUCATION

Universität Tübingen

Masters in Neural Information Processing

Tübingen, Germany

Oct. 2021 – November 2023

University of Washington

Bachelor's in Applied Physics

Seattle, WA, USA

Aug. 2015 – December 2019

EXPERIENCE

Research Engineer Intern

Aix-Marseille Université

May 2023 – November 2023

Marseille, France

- Reviewed modern and established literature on various neuroscience topics.
- Collaborated with the research lab to devise a project that would fit into the scope of the lab goals.
- Wrote original code in python for the detection of patterns in event data.
- Devised various tests to benchmark my tool (UL-HDP) and compared it to another existing python package (results presented at NeuralNet Marseille 2023).

Lab rotation

Psychologie Institute Tübingen

November 2022 – February 2023

Tübingen, Germany

- Conducted a literature review on episodic-like memory tests to target specific brain regions.
- Used Matlab and Psychtoolbox-3 to create a memory task for human participants.
- Piloted the experiment on a few participants as a proof-of-concept and to test usability.

Research Institute Intern

The Allen Institute for brain sciences

May 2021 – October 2022

Seattle, WA, USA

- Used software to track mouse pupil sizes to link behavior to neural activity to try and explain consciousness.
- Used a workload manager to submit jobs to a high-performance computer.
- Developed a pipeline to automatically process videos for later analysis.

Technology Camp Counselor

The Boys and Girls Club of Bellevue

June 2020 – September 2020

Bellevue, WA, USA

- Prepared daily lesson plans for children aged 5-10.
- Oversaw 9 weekly camps with new students (between 15-30) each week.
- Developed my communication and leadership skills.

Product Demonstrator

Club Demonstration Services

October 2019 – February 2020

Issaquah, WA, USA

- Prepared and demonstrated products for customers in-store.
- Entrusted with switch-shifts to cover all demonstrators breaks for the day.
- Used communication and speaking skills to draw attention to products.

Ski and Snowboard Instructor

Summit at Snoqualmie

November 2014 – May 2015

Snoqualmie, WA, USA

- Instructed beginners in both skiing and snowboarding.
- Participated in voluntary training to improve my skills outside of work hours.

SKILLS

Programming Languages: Python, MATLAB, SQL, JavaScript, HTML/CSS

Tools: Microsoft Office, Slack, Jupyter Lab

Spoken Languages: English (Native), Spanish (B2), German (B2), French (A2), Italian (A2)

Citizenships: US, Germany