

NATHAN CAHN

✉ natephil93@gmail.com ☎ (510) 506-9813 📍 3901 Ruby St. Apt # 205 Oakland Ca 94609
🐦 cahn_nathan in <https://www.linkedin.com/in/nathan-cahn-900b63a1/>

EDUCATION

University of California Berkeley Aug. 2014 to Dec. 2016
B.A. Linguistics 2016

Shasta College Aug. 2012 to May 2014
A.A. Language Arts 2014

EXPERIENCE

University of California San Francisco San Francisco, Ca
Junior Specialist of Linguistics in Neurosurgery July 2018 to Current

- Utilized Pandas, SQL, NumPy, and other data manipulation tools in order to gain insights into the neurological correlates of speech and language found in neurosurgical patients
- Implemented actionable insights that can be adopted by neurosurgeons based on statistical relationships between damage to specific brain regions and resulting deficits
- Designed and administered language tests to neurosurgical patients before, during, and after surgery in order to track and classify language patterns
- Responsible for extracting and manipulating speech and neural data from various data structures in order to decode speech from neural activity to provide a language prosthesis brain-computer interface to patients with chronic aphasia
- Developed data cleaning tools in Python using pandas, numpy, matplotlib, scipy, and other data science related Python libraries

PerimeterX, Inc. San Mateo, Ca
Salesforce Administrator Intern Apr. 2018 to July 2018

- Built and implemented Salesforce dashboard/visualization toolsets to be used across multiple teams with the goal of translating complex data into digestible information
- Utilized data management tools to support the sales operations team in system updates and data integrity efforts
- Collaborated with cross functional teams to understand, document, and improve existing sales processes

University of California Berkeley Berkeley, Ca
Research Assistant Aug. 2014 to Dec. 2017

- Spearheaded several major studies with the goal of answering fundamental questions in understanding language processes at a deeper level
- Transcribed and classified the acoustics of apparent homophones related to social structure in Eastern Cham (Southeast Asian Language) using acoustic analysis software
- Completed a large variationist sociolinguistic project utilizing field recordings for a syntactic and phonetic variation database
- Applied various statistical methods and data visualization tools in order to investigate the role of socioeconomic factors in ongoing sound changes in endangered Southeast Asian languages
- Implemented the first gesture database at UC Berkeley used to study the interaction between metaphor, grammar, and multimodal language
- Developed experiment stimuli deployed in Qualtrics and Amazon Mechanical Turk surveys with the goal of aggregating statistical data of discourse relation types in English

SKILLS

DEVELOPMENT: Python, Stanford Core NLP, Pandas, Numpy, spaCy, AllenNLP, NLTK, HTML, SQL, BASH, Linux, Salesforce

LANGUAGE: French (professional working proficiency)