NATHAN CAHN

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in https://www.linkedin.com/in/nathan-cahn-900b63a1/ � natephil

SKILLS

Python, SQL (MySQL), Microsoft Excel, Data Mining, Data Cleaning, Data Modeling, HTML/CSS, Google Suite, Git, Salesforce, French (professional working proficiency -- ILR level 3+), Linux, Familiar with MATLAB

EXPERIENCE

UC San Francisco · July 2018 - Current
Linguistic Specialist in Chang Lab, Department of Neurological Surgery

• Applied Pandas, SQL, NumPy, voxel-based lesion–symptom mapping, and other data manipulation/analysis tools for the purpose of gaining statistical insights into the neurological correlates of speech and language found in neurosurgical patients
• Advanced neurological knowledge by contributing to the literature in areas of the brain/language relationship
• Designed and administered language tests to patients undergoing neurosurgery in a fast-paced and high pressure environment in order to extract language patterns and neurological data
• Built tools to assist in signal-to-noise ratio detection in speech and neural data that have been implemented in a language prosthesis brain-computer interface that is now helping patients with chronic language disorders

PerimeterX, Inc. · April 2018 - July 2018
Salesforce Administrator Intern

• 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 document and improve existing sales processes

PAPERS/PRESENTATIONS

Exploring Representations of a Language Disorder in the Human Brain · October 2019

John P. Andrews; Nathan Cahn; Benjamin Speidel; Edward F. Chang. "Apraxia of speech in neurosurgical resection, a moving target." Congress of Neurological Surgeons Annual Meeting. San Francisco, CA, 2019

Word Evolution in the AIDS Crisis · December 2019

Nathan Cahn; Oksana Gologorskaya; Hunter Mills; Lauren Kaplan. "NLP with Historical Documents: Modeling Discourse Evolution in the AIDS Crisis". TextXD Annual NLP conference. Berkeley, CA, 2019

Broca's Area: 150 years later · December 2019

John P. Andrews; Nathan Cahn; Edward F. Chang. "The Necessary and Sufficient Conditions of Broca's Aphasia." University of California San Francisco. San Francisco, CA, 2019

RESEARCH

Undergraduate Research Apprenticeship Program: Multimodal Language · August 2015 - December 2016
Research Assistant
Performed a cross-linguistic comparison of conditional and causal phrases in French and English gestures in order to explore the connection between metaphor, grammar and multimodal language

Linguistic Research Apprenticeship Program: Sociolinguistics · August 2015 - May 2016
Research Assistant
Applied various statistical methods and data visualization tools in order to investigate the role of socioeconomic factors in ongoing changes of Eastern Cham's phonological and syntactic structures

EDUCATION

University of California, Berkeley · August 2014 - December 2016
Bachelor of Arts Linguistics

Shasta College · August 2012 - May 2014
Associate of Arts Language Arts