

Kaitlin Chaung

Researcher, Data Scientist

Passionate about natural language, genomics, and the space in between

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WORK EXPERIENCE

Data Scientist Metis

06/2020 - 09/2020

Achievements/Tasks

- Developed an empathetic conversational text generator, utilizing BERT sentiment classification and masked language modeling
- Developed a movie genre classifier, utilizing movie scripts and the contextual change of scripts over time
- Developed a regression model to predict the citation count of an academic paper, utilizing the text topics of the abstract and their change in relevancy over time

Staff Researcher Center for Advanced Technology, UCSF

01/2017 - 06/2020

Achievements/Tasks

- Developed analysis pipelines for ATAC-seq data for a genetic interaction mapping of histone mutants
- Worked towards developing new sequencing techniques for single cell open chromatin mapping
- Developed new techniques and analysis pipelines for long-insert sequencing of B-cell receptors

Undergraduate Researcher Momeni Lab, Boston College

01/2016 - 12/2016

Achievements/Tasks

- Helped to maintain models of synthetic microbial communities to better understand and optimize community-level functions of cell types and their metabolites

Undergraduate Researcher Walbott Lab, Stanford University

05/2016 - 08/2016

Achievements/Tasks

- Utilized whole genome bisulfite sequencing data to better understand siRNA generation and maintenance in maize anthers

PERSONAL PROJECTS

Undergraduate Presenter, Big Data Symposium, Boston College (04/2016)

- Developed image recognition models in MATLAB for color space dissection of biological images

PUBLICATIONS

Article

'Microbial Coexistence Through Chemical-Mediated Interactions'

Author(s)

Lori Niehaus, Ian Boland, Minghao Liu, Kevin Chen, David Fu, Catherine Henckel, Kaitlin Chaung, Suyen Espinoza Miranda, Samantha Dyckman, Matthew Crum, Sandra Dedrick, Wenying Shou & Babak Momeni

2019 May 3

Nature Communications

EDUCATION

Data Science Metis

06/2020 - 09/2020

B.S. Biology, Computer Science Concentration Boston College

09/2012 - 12/2016

SKILLS

NLP

Data Visualization

Machine Learning

Google Cloud

Genomics

Single Cell Sequencing

Web Scraping

Python

SQL

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