

# Daniel Li, Ph.D.

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## Education

### United States Army

Airborne School Oct. 2023  
OCS Commission April 2023

### Columbia University

Area in Computer Science:  
Natural Language Processing  
Human Computer Interaction  
Ph.D Sept. 2018 - Sept. 2022  
M.Phil Sept. 2018 - Jan. 2021  
Advisor: Prof. Lydia Chilton

### University of California, Berkeley

Area in Electrical Engineering  
& Computer Science  
M.Sc. Aug. 2017 - May 2018  
B.Sc. Aug. 2014 - May 2017  
Advisor: Prof. Satish Rao

## Skills

### Financial Instruments

Derivatives : Equities : Crypto :  
Venture Capital

### Trading & Risk Analysis

Discretionary : Technical (Signals) :  
Tax & Compliance

### Programming

Python : LaTeX : Bash : CSS/HTML

### Frameworks & Libraries

PyTorch : Tensorflow : NumPy :  
Hugging Face : AllenNLP

### Natural Language Processing

Summarization : Translation :  
Question Answering Systems

### Design & UI & UX

Figma : Omnigraffle : Prototyping

## Awards & Misc.

Google Cloud Grant 2x  
NVIDIA Grant  
5 star Uber passenger rating  
CS:GO SMFC (2017)

## Current Position(s)

### Proprietary Trading Group<sup>1</sup>

Co-Founder (total team of 2)

- Mid 7 figure USD accounts, low 8 figure USD notional position sizing.
- Performance: 550% ROI since inception (as of Q1'22)

March 2017 : Present

Trading & Finance

### Dekrypt Capital

Limited Partner (LP)

- Blockchain and privacy-preserving focused firm, 9 figure USD AUM

February 2018 : Present

Venture Capital

### United States Army (Active Duty)

Infantry Officer (MOS: 11A)

- 2LT; door kicker, trigger puller

October 2022 : Present

Military Service

## Industry Experience

### Google Research & Machine Intelligence

Researcher @ Cloud AI Translation

May 2021 : February 2022

Natural Language Processing

### Google Research & Machine Intelligence

Researcher @ Google Translate

May 2020 : February 2021

Natural Language Processing

### Memorial Sloan Kettering Cancer Center

Researcher @ Dana Pe'er Lab

Summer 2019

Computer Vision & Imaging

### NEC Research Institute

Research Intern

Summer, Fall 2017

Natural Language Processing

### Factual Inc. (Foursquare)

Software Engineering Intern

Summer 2016

Natural Language Processing

## Academic Experience

### NLP & HCI @ Columbia University

PhD Researcher @ Computational Design Lab

- Doctoral Thesis: *Enabling Structured Navigation of Longform Spoken Dialog with Automatic Summarization*

August 2019 : September 2022

Natural Language Processing

### TA @ UC-Berkeley, Columbia University

Graduate Student Instructor

September 2017 : May 2020

6 Semesters

### Rao Group @ UC-Berkeley

Research Assistant

- Master's Thesis: *Adaptive Memory Networks*

September 2015 : May 2018

Machine Learning & Biology

## Selected Publications

Daniel Li\*, Thomas Chen\*, Albert Tung, Lydia Chilton. *Improving Automatic Summarization for Browsing Longform Spoken Dialog*. CHI 2023

Daniel Li, Junpei Zhou, Music Li, Lydia Chilton. *Towards Practical Translation Quality Estimation in Bilingual Models*. Under Review.

Daniel Li\*, Thomas Chen\*, Albert Tung, Lydia Chilton. *Hierarchical Summarization for Longform Spoken Dialog*. UIST 2021.

Daniel Li, Te I, Naveen Ari, Colin Cherry, Dirk Padfield. *Sentence Boundary Augmentation for Neural Machine Translation Robustness*. ICASSP 2021.

Daniel Li, Asim Kadav. *Adaptive Memory Networks*. ICLR 2018.

<sup>1</sup> Using personal assets among co-founders, currently not incorporated as any entity. Not in any active positions as of Q1'22.