Daniel Li, Ph.D.

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write2daniel.li[at]gmail.com

Education

United States Army
OCS Commission *Mar. 2023*[T]

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)
Able to see in the dark

Current Position(s)

Proprietary Trading Group[1]   March 2017 : **Present**
Co-Founder (total team of 2)   **Trading & Finance**
- o   **Mid 7 figure USD** accounts, **low 8 figure USD** notional position sizing.
- o   **Performance: 550% ROI** since inception (as of Q1'22)

Dekrypt Capital   February 2018 : **Present**
Limited Partner (LP)   **Venture Capital**
- o   Blockchain and privacy-preserving focused firm, **9 figure USD** AUM

United States Army (Active Duty)   October 2022 : **Present**
Officer Candidate (09S)   **Military Service**
- o   Intended MOS: 11A (door kicker, trigger puller)

Industry Experience

Google Research & Machine Intelligence   May **2021** : February **2022**
Researcher @ Cloud AI Translation   **Natural Language Processing**

Google Research & Machine Intelligence   May **2020** : February **2021**
Researcher @ Google Translate   **Natural Language Processing**

Memorial Sloan Kettering Cancer Center   Summer **2019**
Researcher @ Dana Pe'er Lab   **Computer Vision & Imaging**

NEC Research Institute   Summer, Fall **2017**
Research Intern   **Natural Language Processing**

Factual Inc. (Foursquare)   Summer **2016**
Software Engineering Intern   **Natural Language Processing**

Academic Experience

NLP & **HCI** @ Columbia University   August **2019** : September **2022**
PhD Researcher @ Computational Design Lab   **Natural Language Processing**
- o   **Doctoral Thesis**: *Enabling Structured Navigation of Longform Spoken Dialog with Automatic Summarization*

TA @ UC-Berkeley, Columbia University   September **2017** : May **2020**
Graduate Student Instructor   **6 Semesters**

Rao Group @ UC-Berkeley   September **2015** : May **2018**
Research Assistant   **Machine Learning & Biology**
- o   **Master's Thesis**: *Adaptive Memory Networks*

Selected Publications

Daniel Li[*] , Thomas Chen[*] , Albert Tung, Lydia Chilton. *Improving Automatic Summarization for Browsing Longform Spoken Dialog.* In Submission.

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.**