

Daniel Li, Ph.D

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[Address Redacted]

EDUCATION

Columbia University – Graduate School of Arts and Sciences Ph.D. in Artificial Intelligence & Human Computer Interaction <ul style="list-style-type: none">Thesis: <i>Enabling Structured Navigation of Longform Spoken Dialog with Automatic Summarization</i>Advisor: Prof. Lydia Chilton @ Computational Design Lab	New York, NY Sep 2018 – Oct 2022
M.Phil. in Artificial Intelligence <ul style="list-style-type: none">Relevant Coursework: Artificial Intelligence, Computer Vision, Graphical Models, Deep Learning	Sep 2018 – Jan 2021
University of California, Berkeley - College of Engineering M.S. in Electrical Engineering & Computer Science <ul style="list-style-type: none">Thesis: <i>Adaptive Memory Networks</i>Advisor: Satish Rao @ Computer Science Theory Group	Berkeley, CA Aug 2017 - May 2018
B.S. in Electrical Engineering & Computer Science <ul style="list-style-type: none">Relevant Coursework: Algorithms & Uncertainty, Beyond Worst Case Analysis, Combinatorial Algorithms, Computational Geometry	Aug 2014 – May 2017

CURRENT POSITIONS

Proprietary Trading Group¹ Co-Founder & Trader (2) <ul style="list-style-type: none">Mid 7 figure (USD) accounts, low 8 figure (USD) notional position sizing, utilizing personal assets.Performance: 550% ROI since inception. Various strategies; sectors: equities, commodities, digital assets.	Various Jan 2017 – Present
Angel Investor Individual <ul style="list-style-type: none">B&N Mining: Gold, silver, and tungsten exploration in Southern California; strategic land acquisitions.xdof.ai: Developing the core robotics infrastructure for enabling the next generation of intelligent robot systems	Various June 2023 – Present
Dekrypt Capital Limited Partner <ul style="list-style-type: none">Venture capital, starting LP. 9 figure (USD) AUM; co-investors include a16z, Coinbase Ventures, Softbank, Tiger Global	Various Dec 2017 – Present

MILITARY EXPERIENCE

United States Army, Active Component Infantry Officer, 1st Lieutenant <ul style="list-style-type: none">Trained to lead Infantry Soldiers at the platoon level and coordinate combined armed forces during ground missions, specifically to attack and close within the last 100 yards to defeat enemy combatants in close-range combat.Selected as the <i>aide-de-camp</i> to coordinate operations and logistics between headquarters and training companies.	Fort Benning, GA Oct 2022 – Feb 2026
Infantry Basic Officer Leader Course, 22-week course training infantry lieutenants to lead infantry platoons <i>Infantry Blue Cord</i> , awarded to all infantry-qualified Soldiers	Fort Benning, GA Apr 2025 ²
Airborne School, 3-week course teaching parachute jumping techniques and airborne operations <i>Parachutist Badge</i> , qualification earned after completing 5 required parachute jumps at 1,200 feet	Fort Moore, GA Oct 2023
Officer Candidate School, 12-week course and one of four paths to become a commissioned Officer in the Army <i>Officer Commission</i> , 2nd Lieutenant	Fort Benning, GA Apr 2023
Basic Combat Training, 10-week course teaching fundamental combat skills <i>Enlisted, Specialist</i>	Fort Leonard Wood, MO Dec 2022

WORK EXPERIENCE

Google Research & Machine Intelligence Researcher @ Cloud AI Translate Researcher @ Google Translate <ul style="list-style-type: none">Investigated confidence calibration in multilingual translation and neural machine translation robustness for speech recognitionImproved automatic quality classification of translation systems and automatic speech translation by +1 to +1.4 BLEU points	Mountainview, CA May 2021 – Feb 2022 May 2020 - Feb 2021
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¹ Not currently incorporated as any official entity.
²Length of training extended by 13 months due to a combatives injury requiring 2 operations and a surgery.

Memorial Sloan Kettering Cancer Center

Research Intern

- Computer vision techniques for analyzing and understanding cell geometries in tumor data for interpretability

New York, NY

May 2019 – Sep 2019

NEC Research Institute

Research Intern

- Deep learning research in adaptive memory networks with a focus on faster inference

Princeton, NJ

May 2017 – Sep 2017

Factual, 4Square

Software Engineering Intern

- Implemented deduplication techniques for fuzzy entity resolution of locations data in large scale databases

Los Angeles, CA

May 2016 – Sep 2016

Carl's Jr.

Cashier

- Processed customer orders and payments while delivering friendly service in a high-volume fast-food environment

Irvine, CA

May 2015 – Sep 2015

ACADEMIC EXPERIENCE

Columbia University

Teaching Assistant

- COMS 4170: User Interface Design, 2 semesters
- COMS 4762: Machine Learning for Functional Genomics, 1 semester

New York, NY

Fall 2018, Spring 2019, Fall 2019

University of California, Berkeley

Teaching Assistant

- CS 160: User Interface Design and Development, 2 semesters

Berkeley, CA

Fall 2017, Spring 2018

PUBLICATIONS

- Daniel Li***, Thomas Chen*, Albert Tung, Lydia Chilton. "[Improving User Navigation and Browsing of Longform Spoken Dialog](#)." *Conference on Human Factors in Computing Systems* **2023**
acceptance < 27%
- Daniel Li, Junpei Zhou, Music Li. "[Investigating Translation Quality Estimation in Bilingual Models](#)." *ArXiv* **2022**
N/A
- Daniel Li***, Thomas Chen*, Albert Tung, Lydia Chilton. "[Hierarchical Summarization for Longform Spoken Dialog](#)." *ACM Symposium on User Interface Software and Technology* **2022**
acceptance < 22%
- Jennifer Chen, Faisal Ladhak, **Daniel Li** and Noémie Elhadad. "[Incorporating Human Explanations for Robust Hate Speech Detection](#)." *ACL-IJCNLP 2021 Workshop: Understanding Implicit and Underspecified Language* **2021**
unspecified
- Daniel Li**, Te I, Naveen Arivazhagan, Colin Cherry, Dirk Padfield. "[Sentence Boundary Augmentation For Neural Machine Translation Robustness](#)." *International Conference on Acoustics, Speech, and Signal Processing* **2021**
acceptance < 49%
- Daniel Li***, Jennifer Chen*, Qiang Ma, Andrew Liu, Justin Cheung, Yubin Xie, Herman Gudjonson, Dana Pe'er, Itsik Pe'er. "[Counterfactual Hypothesis Testing of Tumor Microenvironment Scenarios Through Semantic Image Synthesis](#)." *BioArXiv* **2020**
N/A
- Justin M. Cheung, Hanan Baker, **Daniel Li**, Daniel Stor, Daniel A. Heller. "[Abstract 1719: Drugloaded porphyrin nanoparticles as a platform for targeted and photodynamic combination therapy](#)." *American Association for Cancer Research* **2019**
unspecified
- Daniel Li**, Asim Kadav. "[Adaptive Memory Networks](#)." *International Conference on Learning Representations* **2017**
acceptance < 33%

ADDITIONAL INFORMATION

Technical Skills:	Python, PyTorch, TensorFlow, Scikit-Learn, NumPy, Huggingface, Natural Language Processing, Computer Vision, Artificial Intelligence, systems design, feature extraction
Financial Skills:	Trading (equities, commodities, digital assets), Technical Analysis, Fundamental Analysis, Algorithmic Trading, Venture Capital (valuation, go to market, etc.), Risk & Tax Compliance
Military:	Light infantry weapons (M4, M240B, M249, M320, Patrolling, Night Operations, Troop Leading Procedures, Small Unit Tactics, Operations Orders (OPORD), Land Navigation
Awards:	Google Cloud Grant (2x), NVIDIA Grant
Miscellaneous:	5.0 star Uber passenger rating (2022), Counter Strike: Global Offensive rank of SMFC - top 2.6% (2017)