

Cameron Chen

cameron.ph.chen@gmail.com | cameronphchen.github.io

Cameron is a tech lead manager and staff software engineer at Google Research and Google Health with a strong passion for research innovation and delivering materialized impact. Cameron is an experienced leader in building cross-functional teams to deliver results ranging from initial proofs-of-concept to productionization. His primary research interests lie at the intersection of machine learning, medicine, and science. His research has been published in leading scientific, clinical, and machine learning venues, including Nature, JAMA, and NeurIPS, and covered by media outlets such as the New York Times, Forbes, and Engadget. Before Google, Cameron worked in ML for algorithmic high-frequency trading, energy, demand forecasting, and neuroscience. He received his PhD in Electrical Engineering and Neuroscience from Princeton University and his BS in Electrical Engineering from National Taiwan University. Cameron was also a recipient of the Google PhD Fellowship.

Experiences

Tech Lead Manager, Staff Software Engineer, Google Research & Google Health		Palo Alto, CA
2017-	<ul style="list-style-type: none">2020- Tech Lead Manager, Staff Software Engineer2019-2020 Tech Lead, Senior Software Engineer2017-2019 Software EngineerWe develop state-of-the-art healthcare AI systems and productionize the systems with an aim to achieve a positive real-world impact.	
Quantitative Research Intern, Vatic Labs		New York, NY
2016	<ul style="list-style-type: none">Algorithmic high-frequency trading	
Machine Learning Intern, Palantir		Palo Alto, CA
2015	<ul style="list-style-type: none">Energy usage pattern analysis	
Machine Learning Scientist Intern, Amazon		Seattle, WA
2014	<ul style="list-style-type: none">Demand forecasting	
Intern, McKinsey & Company		Taipei, Taiwan
2010	<ul style="list-style-type: none">Tech product design analysis	

Education

PhD, Princeton University		Princeton, NJ
2012-2017	<ul style="list-style-type: none">Machine Learning and Computational Neuroscience	
BS, National Taiwan University		Taipei, Taiwan
2007-2011	<ul style="list-style-type: none">Electrical Engineering	

Selected Publications

For a full publication list, see <https://scholar.google.com/citations?hl=en&user=OrhZiAIAAAAJ>

1. **Chen***, Liu*, and Peng, How to develop machine learning models for healthcare. Nature Materials, 2019
2. Liu*, **Chen***, Krause, and Peng, How to read articles that use machine learning: users' guides to the medical literature. JAMA, 2019.
3. Gamble, Jaroensri, ..., and **Chen**, Determining breast cancer biomarker status and associated morphological features using deep learning. Nature Communications Medicine, 2021.
4. Lai, Kingslake, Wearing, **Chen** et al. Vulnerability of Antarctica's ice shelves to meltwater-driven fracture. Nature, 2020

Selected Awards & Honors

- | | |
|------|---|
| 2016 | <ul style="list-style-type: none">Google PhD Fellowship |
| 2015 | <ul style="list-style-type: none">NeurIPS Oral Presentation (1 of 15 papers accepted for oral presentation) |