E-mail: csnell22@berkeley.edu
Scholar: scholar.google.com/charliesnell
Twitter: twitter.com/sea_snell
Website: sea-snell.github.io

Charlie Snell

EDUCATION

UC Berkeley   2022–2026 (expected)
Ph.D. in Computer Science
Research Advisors: Dan Klein, Sergey Levine

UC Berkeley   2018–2022
B.A. in Computer Science
GPA: 3.989
A+ in: CS288 (natural language processing), CS170 (algorithms) [2nd of 400+ in class final algorithms contest], EE126 (probability), CS188 (artificial intelligence), Physics 137A (quantum mechanics), CS61C (computer architecture), Math 53 (vector calculus), CS61A (CS intro)

INDUSTRY
EXPERIENCE

Google Deepmind   Mountain View, CA
Student Researcher   May 2023–Present
Hosts: Kelvin Xu, Jaehoon Lee

Amazon Web Services   Seattle, WA
SWE Intern   May 2020-August 2020

Zelis Healthcare   Kansas City, MO
SWE Intern   May 2019-August 2019

PUBLICATIONS

[1] The False Promise of Imitating Proprietary LLMs
Arnav Gudibande*, Eric Wallace*, **Charlie Snell***, Xinyang Geng, Hao Liu, Pieter Abbeel, Sergey Levine, Dawn Song
ICLR, 2024.

[2] LMRL Gym: Benchmarks for Multi-Turn Reinforcement Learning with Language Models
Marwa Abdulhai, Isadora White, **Charlie Snell**, Charles Sun, Joey Hong, Yuexiang Zhai, Kelvin Xu, Sergey Levine
arXiv Preprint, 2023.

[3] Offline RL for Natural Language Generation with Implicit Language Q Learning
Charlie Snell, Ilya Kostrikov, Yi Su, Mengjiao Yang, Sergey Levine
ICLR, 2023.

[4] Learning by Distilling Context
Charlie Snell, Dan Klein, Ruiqi Zhong
arXiv Preprint, 2022.

[5] Non-Programmers Can Label Programs Indirectly via Active Examples: A Case Study with Text-to-SQL
Ruiqi Zhong*, **Charlie Snell***, Dan Klein, Jason Eisner
EMNLP, 2023.

[6] Describing Differences between Text Distributions with Natural Language
Ruiqi Zhong, **Charlie Snell**, Dan Klein, Jacob Steinhardt
ICML, 2022.

[7] Context-Aware Language Modeling for Goal-Oriented Dialogue Systems
Charlie Snell, Mengjiao Yang, Justin Fu, Yi Su, Sergey Levine
NAACL Findings, 2022.

[8] Approximating How Single Head Attention Learns
Charlie Snell*, Ruiqi Zhong*, Dan Klein, Jacob Steinhardt
arXiv Preprint, 2021.

[9] The Omniglot Jr. challenge; Can a model achieve child-level character generation and classification?
Eliza Kosoy, Masha Belyi, **Charlie Snell**, Josh Tenenbaum, Brenden Lake, Alison Gopnik
NeurIPS Workshop on BabyMind, 2020.

PRESENTATIONS   **Invited Talks**
- G-Research ML Seminar, 2023. *The False Promise of Imitating Proprietary LLMs*
- Cohere for AI, 2022. *Learning by Distilling Context*
- Carper AI Seminar, 2022. *Offline RL for Natural Language Generation with Implicit Language Q Learning*

SERVICE   **Academic Service**
- Berkeley PhD EECS Admissions (2023)
- Reviewer for: ICML 2024, ICLR 2024, COLM 2024, ICLR 2024 Workshop ME-FoMo, ICML 2023, NeurIPS 2023 Workshop Instruction, NeurIPS 2022, NeurIPS 2022 Workshop Offline RL

Other Service
- Head of Blog at Machine Learning at Berkeley (2021)
- Teaching for Machine Learning at Berkeley (2020)

AWARDS   Honorable Mention for the 2022 CRA outstanding undergraduate researcher award (2022)
UC Berkeley Dean's List (2019, 2020, 2021)