

Austin Li

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Education

Cornell University Ph.D. in Computer Science	2024 – 2029 (expected)
Princeton University M.Eng. in Computer Science, GPA: 4.0/4.0	2023 – 2024
Princeton University B.S.E. in Computer Science (<i>summa cum laude</i>), GPA: 4.0/4.0 Certificate in Applied and Computational Mathematics	2019 – 2023

Research

Cornell University Graduate Student Researcher <ul style="list-style-type: none">Adviser: Lorenzo AlvisiBuilding a robust and flexible framework for safety in the presence of Byzantine clients in transactional systems	Aug 2024 – Present
Princeton University Graduate Student Researcher <ul style="list-style-type: none">Advisers: Amit Levy, Wyatt LloydWorked on RADICAL project to enable serverless compute to run anywhere while improving performance and maintaining durability	Sep 2023 – May 2024
Princeton University Undergraduate Senior Thesis <ul style="list-style-type: none">Adviser: Amit LevyExamined the use of external synchrony for distributed databases to significantly reduce latency in the cloud computing paradigm of Functions as a Service (FaaS)	Sep 2022 – May 2023
Princeton University Undergraduate Junior Independent Work <ul style="list-style-type: none">Adviser: Matthew WeinbergStudied probabilistic stable matching and the expected outcomes of participants as a function of their relative quality	Sep 2021 – Jan 2022
University of Kentucky Student Researcher <ul style="list-style-type: none">Adviser: Chi WangCreated a novel pipeline using R, Python, and Google Cloud to analyze intratumor heterogeneity	July 2017 – Aug 2019

Teaching

Cornell University TA <ul style="list-style-type: none">CS 5414 Distributed Computing Principles (Fall 2024, Fall 2025)Teach weekly recitation and manage project component of courseOutstanding TA recognition (Fall 2024)	Aug 2024 – Present
Princeton University Assistant in Instruction <ul style="list-style-type: none">Preceptor for COS 126 Introduction to Computer Science (Fall 2023)Preceptor for COS 217 Introduction to Systems Programming (Spring 2024)	Sep 2023 – May 2024

- Led 15 students for two precepts a week to interactively reinforce and expand upon lecture material; held office hours and graded student assignments

Princeton University Undergraduate Assistant Head Lab TA Jan 2022 – Jan 2023

- Oversaw and managed the TA system (60+ undergraduate TA's) for intro CS courses (COS 126, COS 217, COS 226)

Princeton University Undergraduate COS 217, COS 226 Lab TA Sep 2020 – May 2023

- Provided personalized coding and debugging assistance for students 4 hours per week

Honors

Phillip Goldman '86 Senior Prize in Computer Science 2023

- Princeton CS top award for academic excellence among graduating seniors (1/203)

Princeton Computer Science Outstanding Student Teaching Award 2023

- Awarded for outstanding undergraduate student teaching in the CS department

Phi Beta Kappa Honor Society 2022

- One of 36 students in graduating class inducted early into the academic honor society

Tau Beta Pi Engineering Honor Society 2021

- Top 1/8 of engineering class recognized for academic excellence

Shapiro Award for Academic Excellence 2020, 2021

- Outstanding academic achievement among Princeton first or second year undergraduates

USA Mathematics Olympiad Qualifier 2018

- Top 250 mathematics competitors in the nation

USA Physics Olympiad Bronze Medal 2018

- Top 40% of the top 400 physics competitors in the nation

Publications

1. Guo B, Xiong X, Hasani S, Wen YA, **Li AT**, Martinez R, Skaggs AT, Gao T. Downregulation of PHLPP induced by endoplasmic reticulum stress promotes eIF2 α phosphorylation and chemoresistance in colon cancer. *Cell Death Dis.* 2021 Oct 18;12(11):960.
2. Gan T, Stevens AT, Xiong X, Wen YA, Farmer TN, **Li AT**, Stevens PD, Golshani S, Weiss HL, Evers BM, Gao T. Inhibition of protein tyrosine phosphatase receptor type F suppresses Wnt signaling in colorectal cancer. *Oncogene.* 2020 Oct;39(44):6789-6801.
3. Wen YA, Xiong X, Scott T, **Li AT**, Wang C, Weiss HL, Tan L, Bradford E, Fan TWM, Chandel NS, Barrett TA, Gao T. The mitochondrial retrograde signaling regulates Wnt signaling to promote tumorigenesis in colon cancer. *Cell Death Differ.* 2019 Oct;26(10):1955-1969.
4. Stevens PD, Wen YA, Xiong X, Zaytseva YY, **Li AT**, Wang C, Stevens AT, Farmer TN, Gan T, Weiss HL, Inagaki M, Marchetto S, Borg JP, Gao T. Erbin Suppresses KSR1-Mediated RAS/RAF Signaling and Tumorigenesis in Colorectal Cancer. *Cancer Res.* 2018 Sep 1;78(17):4839-4852.
5. Wen YA, Xiong X, Zaytseva YY, Napier DL, Vallee E, **Li AT**, Wang C, Weiss HL, Evers BM, Gao T. Downregulation of SREBP inhibits tumor growth and initiation by altering cellular metabolism in colon cancer. *Cell Death Dis.* 2018 Feb 15;9(3):265.

Employment Experience

Stripe Software Engineering Intern

May 2024 – Aug 2024

New York, NY

- Frontend React development on the Platform Growth Team
- Created new UI surface to enable onboarding bypass in test mode

Stripe Software Engineering Intern

May 2022 – Aug 2022

Seattle, WA

- Backend Ruby development on the Reconciliation Experiences team
- Enabled multiple reconciliation configurations to improve long term automatic reconciliation rates
- Created novel automatic reconciliation strategy generator to reduce manual reconciliation toil

Stevens Capital Management Quantitative Research Intern

June 2021 – Aug 2021

Radnor, PA

- Performed data analysis related to trade execution and order management
- Created and conducted statistical analysis of trading datasets

CUvids Research and Development Intern

June 2020 – Aug 2020

Remote

- Designed and developed a mobile app from scratch to help students extend their learning
- Utilized React Native and JavaScript to create a frontend for both iOS and Android

Volunteer Work

Community House After School Program (CHASP)

Sep 2019 – May 2022

Princeton University

- Volunteer tutoring for low-income, minority, and first-generation middle/high school students

Winburn Middle School Mathcounts Team Coach

Jan 2016 – May 2019

Lexington, KY

- Planned and led team practices of about 20 students for competitive mathematics
- Transformed the coaching methodology at the school to teach problem solving skills
- Achieved two state championships and two runner ups in four years

Bluegrass Soccer Club 03 Boys Team Assistant Coach

Jun 2015 – May 2019

Lexington, KY

- Collaborated with head coach to plan and execute practices and games
- Instilled the value of teamwork and love for the game of soccer

Activities

Princeton Pickleball Club (*Founder*)

Sep 2023 – May 2024

- Founded Princeton's first pickleball club
- Brought students together and formed a community around pickleball

Princeton Pickup Soccer Club

Sep 2019 – May 2023

- President for 2022-23 academic year
- Organized pickup soccer games each week to allow people of all skill levels to enjoy soccer together