ADAM WINCHELL

EXPERIENCE

Google — Cambridge, MA

Senior Software Engineer, Google Search — *Dec 2025 - Present*

Senior Software Engineer–Team Lead, Gmail Advertising (Remote) — *April 2024 - Nov 2025*

Software Engineer III, Gmail Advertising (Remote) — *Sept 2022 - April 2024*

Amazon — Remote

Applied Scientist II, Amazon Advertising — *Mar 2022 - July 2022*

Applied Scientist, Amazon Advertising — *Mar 2021 - Mar 2022*

Software Engineer, Amazon Advertising — *Mar 2020 - Mar 2021*

Google — Boulder, CO

Software Engineer Intern, Google Payments — *May 2019 - Aug 2019*

University of Colorado Boulder — Boulder, CO

Research Assistant, Department of Computer Science — *Aug 2017 - Dec 2019*

Undergraduate Instructor, Department of Computer Science — *May 2018 - Aug 2018*

C2 Education — Lafayette, CA

Tutor, Mathematics and Computer Science — *Feb - July 2017*

Treehouse English — Tokyo, Japan

English Teacher — *Aug - Dec 2016*

Skidmore College — Saratoga Springs, NY

Tutor, Departments of Mathematics and Computer Science — *Aug 2013 - May 2016*

Admissions Guide — *May - Aug 2015*

Research Assistant, Department of Mathematics — *May - Aug 2014*

Research Assistant, Department of Chemistry — *Nov 2012- Aug 2013*

Bancroft Hotel — Berkeley, CA

Hotel Receptionist and Caterer — *Summer 2010*

Caffè Strada — Berkeley, CA

Cashier — *Summer 2009*

EDUCATION

University of Colorado — Boulder, CO

Master of Science in Computer Science — *Aug 2017 - Dec 2019*

Dean's Fellowship

Skidmore College — Saratoga Springs, NY

Bachelor of Arts in Mathematics and Computer Science — *Aug 2012 - May 2016*

Dean's List, magna cum laude, Pi Mu Epsilon Society

VOLUNTEERING

Discovery Partners Institute — Chicago, IL

Instructor and Mentor, Discover Computing — *Jan 2023 - May 2024*

Bikeatoga — Saratoga Springs, NY

Volunteer — *Sept 2013 - Dec 2013*

SKILLS

Programming Languages: C++, Python, Java, Javascript, HTML, CSS
Frameworks and Technologies: Pyspark, Pytorch, Dagger2, STAN, EMR, Lambda, DynamoDB, SQS, Airflow

PUBLICATIONS

Winchell, Adam (2025). Can Machines Think Efficiently? arXiv preprint. arXiv:2510.26954.

Winchell, A., Lan, A., & Mozer, M. (2020). Highlights as an early predictor of student comprehension and interests. Cognitive Science, 44(11), e12901.

Kim, D. Y. J, **Winchell, A.**, Waters, A. E., Grimaldi, P. J., Baraniuk, R., & Mozer, M. C. (2020). Inferring student comprehension from highlighting patterns in digital textbooks: An exploration in an authentic learning platform. In S. Sosnovsky, P. Brusilovsky, R. G. Baraniuk, & A. S. Lan (Eds.), Second Workshop on Intelligent Textbooks, Springer.

Winchell, A., Mozer, M. C., Lan, A., Grimaldi, P., & Pashler, H. (2018). Can textbook annotations serve as an early predictor of student learning? In K. E. Boyer & M. Yudelson (Eds.), Proceedings of the 11th International Conference on Educational Data Mining (pp. 431-437). EDM Society Press.

Huibregtse, Mark; **Winchell, Adam**. Envelope curves and equidistant sets. Involve 9 (2016), no. 5, 839–856. doi:10.2140/involve.2016.9.839.