

# ADAM WINCHELL

adamwinchell@colorado.edu

## EXPERIENCE

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### Amazon

Applied Scientist, Amazon Advertising  
Software Engineer, Amazon Advertising

Remote

*Mar 2021 - Present*  
*Mar 2020 - Mar 2021*

### Google

Software Engineer Intern, Google Payments

Boulder, CO

*May 2019 - Aug 2019*

### University of Colorado Boulder

Research Assistant, Department of Computer Science  
Undergraduate Instructor, Department of Computer Science

Boulder, CO

*Aug 2017 - Dec 2019*  
*May 2018 - Aug 2018*

### C2 Education

Tutor, Mathematics and Computer Science

Lafayette, CA

*Feb - July 2017*

### Treehouse English

English Teacher

Tokyo, Japan

*Aug - Dec 2016*

### Skidmore College

Tutor, Departments of Mathematics and Computer Science  
Admissions Guide  
Research Assistant, Department of Mathematics  
Research Assistant, Department of Chemistry

Saratoga Springs, NY

*Aug 2013 - May 2016*  
*May - Aug 2015*  
*May - Aug 2014*  
*Nov 2012- Aug 2013*

## EDUCATION

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### University of Colorado

Master of Science in Computer Science  
*Dean's Fellowship*

Boulder, CO

*Aug 2017 - Dec 2019*

### Skidmore College

Bachelor of Arts in Mathematics and Computer Science  
*Dean's List, magna cum laude, Pi Mu Epsilon Society*

Saratoga Springs, NY

*Aug 2012 - May 2016*

## SKILLS

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**Programming Languages:** Python, Java, Javascript, HTML, CSS

**Frameworks and Technologies:** Pyspark, Pytorch, Dagger2, STAN, EMR, Lambda, DynamoDB, SQS, Airflow

## PUBLICATIONS

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**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.