

# Adam Kercheval

Denver, Colorado  
akerch.com

## Experience

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### Student Teaching – Lakewood, CO Bear Creek High School Fall 2021

- Coordinated by the University of Colorado, Denver
- Co-taught in a high school math classroom, including honors geometry, precalculus, and calculus 3 classes
- Tutored students individually in a variety of math subjects in the school's tutoring center

### Newlon Elementary School – Denver, CO School Technology Specialist and Site Assessment Leader, 2019 -

- Worked directly with teachers, administrators, and students to facilitate easy, unified technology standards and use throughout the school
- Addressed day-to-day problems with school technology
- Coordinated all state- and federally-mandated student testing throughout the year
- Administered one-on-one tests to kindergarten through fifth-graders in English and Spanish

### Amazon – Cambridge, MA Software Development Engineer, 2018 - 2019 SDE Intern, Summer 2017

- Designed and implemented “watermarking” technology with a small team of researchers and engineers to prevent false wakes when “Alexa” is said by a non-human source; placed a watermark on nearly 50 advertisements since the project's start, including Amazon's 2019 Super Bowl advertisement
- Monitored and mitigated round-the-clock service issues and outages in Alexa's wake-up behavior for all languages and device types, including “hotfix” software releases, rollbacks, and device behavior alarms
- Wrote, reviewed, and released software for all 100 million Alexa-enabled devices in an agile, sprint-based process that involved team-based design, testing, and approval

### ImageMaker – Santiago, Chile Software Engineering Intern, Fall 2016

- Designed and coded front end proposals for the company's products and applications using Angular, Javascript, and HTML
- Collaborated with a Spanish-speaking team to design and build products for Spanish-speaking customers throughout Latin America, including banks, airlines, and retail stores

## Education

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### University of Colorado, Denver Masters of Arts in Teaching Expected graduation May 2022

### Tufts University – Medford, MA Class of 2018, GPA: 3.75 B.S. Computer Science and Spanish *magna cum laude* with highest thesis honors

## Skills and Certifications

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### Colorado Department of Education Substitute Teacher Authorization Effective 4/25/2021 - 4/25/2024

### Programming languages and technologies: C++, C, Python, Java, HTML, CSS, JavaScript, Haskell, among others

### Human languages: Spanish, fluent

## Projects

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### Thesis

*The Imbalance in Latin American  
Technology Production and Non-Native  
Language Computer Programming* (2018)  
[akerch.com/thesis.pdf](http://akerch.com/thesis.pdf)

### Publications

*Blast Accusations for Cybersecurity Intel*  
published in 2600 Magazine, Spring 2019  
[akerch.com/blast.pdf](http://akerch.com/blast.pdf)

*The Pipe Dream of Sensible School Internet  
Policy*, published in 2600 Magazine,  
Spring 2020  
[akerch.com/pipedream.pdf](http://akerch.com/pipedream.pdf)