

Adam Kercheval

Denver, Colorado
akerch.com

Experience

Bear Creek High School – Lakewood, CO **Math and Computer Science Teacher** **2021 -**

- Student teaching at Bear Creek High School coordinated by the University of Colorado Denver for the 2021-22 academic year; hired full-time upon completion
- Classes taught: algebra 1, algebra 1 accelerated, honors geometry, precalculus, AP Computer Science A, AP Computer Science Principles, intro. to programming, cybersecurity

Newlon Elementary School – Denver, CO **School Technology Specialist and Site Assessment Leader, 2019 - 2021**

- 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

University of Colorado Denver Class of 2022 M.A. in Teaching, secondary math endorsement

Tufts University – Medford, MA Class of 2018 B.A. in Computer Science and Spanish *magna cum laude* with highest thesis honors

Skills and Certifications

Praxis exams:

Mathematics Content Knowledge (5161) - 6/25/21

Score: 186/200

Computer Science (5652) - 2/22/22

Score: 196/200

Programming languages and technologies:

C++, C, Python, Java, HTML, CSS, JavaScript, Haskell, among many others

Human languages:

Spanish, fluent

Projects

Thesis

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

Publications

Blast Accusations for Cybersecurity Intel
published in 2600 Magazine, Spring 2019
akerch.com/blast.pdf

The Pipe Dream of Sensible School Internet Policy, published in 2600 Magazine, Spring 2020
akerch.com/pipedream.pdf

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