

# Adam Kercheval

Denver, Colorado  
akerch.com

## Experience

---

### **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

### **iThreat Cyber Group – Princeton, NJ** **Intern, Summer 2015**

- Wrote and produced tutorial videos for the company’s dozens of cyber intelligence and research tools, to make them easier to understand for new users and users who are unfamiliar with cybersecurity concepts
- Explored leads on potential spammers and hackers by finding connections in Whois, domain, and IP information

## Education

---

### **Tufts University – Medford, MA**

Class of 2018, GPA: 3.75

B.S. Computer Science and Spanish  
*magna cum laude* with highest thesis honors

## Skills

---

### **Programming languages and technologies:**

C++, C, Python, Java, HTML, CSS, JavaScript, Android and Intel stacks, Haskell, R, ML, Angular, React, Scheme, x86, among 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](http://akerch.com/thesis.pdf)

### **Espy**

Python translated into Spanish, so Spanish-speaking students can learn to code without learning English keywords  
[github.com/akercheval/espy](https://github.com/akercheval/espy)

### **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)