Adam Kercheval

Boston, MA
akerch.com

Experience

Amazon – Cambridge, MA
Software Development Engineer, 2018 -
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

Sqrrl – Cambridge, MA
Product Marketing Intern, Summer 2016
- Managed messaging on the company's blog and social media through HubSpot to increase inbound marketing traffic
- Conducted competitor market analysis on products to enhance the pitch effectiveness for new customers unfamiliar with the company's products
- Collaborated with the product marketing team to review customer feedback, to compile strategies for product improvement

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
- Developed and tested proxy browsing through Raspberry Pi and Tor as a potential security tool for small business clients
- 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

Espy
Python translated into Spanish, so Spanish-speaking students can learn to code without learning English keywords
github.com/akercheval/espy

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

JumboCode
Boston Institute for Nonprofit Journalism: project lead (2017)
binj-map.herokuapp.com