

James Larisch

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Education

- 2020–Present **PhD, Computer Science**, *Harvard University*, Cambridge, MA.
Advisor: Eddie Kohler
- 2017–2020 **MS, Computer Science**, *Harvard University*, Cambridge, MA.
Advisor: James Mickens
- 2012–2017 **BS in Computer Science**, *Northeastern University*, Boston, MA.
Magna Cum Laude

Honors & Awards

- 2019 **NSF Graduate Research Fellowship**, *National Science Foundation*.
- 2017 **Chen Graduate Student Research Fellowship**, *Harvard University*.
- 2017 **IEEE Cybersecurity Award for Innovation (CRLite)**, *IEEE SecDev / MITRE*.
- 2017 **Undergraduate Research Award**, *Northeastern University, CCIS*.
- 2012 **Fellows Scholarship**, *Northeastern University, CCIS*.
- 2012 **Excellence Scholarship**, *Northeastern University*.

Publications

- 2020 Aqeel, Waqar, Zachary Hanif, James Larisch, Olamide Omolola, Taejoong Chung, Dave Levin, Bruce Maggs, Alan Mislove, Bryan Parno, and Christo Wilson. “Assertion-Carrying Certificates.” In 2020 Workshop on Foundations of Computer Security (FCS’20). 2020.
- 2018 Larisch, James, James Mickens, and Eddie Kohler. “Alto: Lightweight VMs Using Virtualization-aware Managed Runtimes.” In Proceedings of the 15th International Conference on Managed Languages & Runtimes, pp. 1–7. 2018.
- 2017 Larisch, James, David Choffnes, Dave Levin, Bruce M. Maggs, Alan Mislove, and Christo Wilson. “CRLite: A Scalable System for Pushing All TLS Revocations to All Browsers.” In 2017 IEEE Symposium on Security and Privacy (SP), pp. 539–556. IEEE, 2017.

Teaching & Mentoring

- Fall 2020 **Undergraduate Research Mentor**, *Harvard Women in Computer Science*, Systems Group.
- Fall 2018 **Teaching Fellow**, *CS263: System Security*, James Mickens.

Work Experience

- 2019–2020 **Senior Interview Engineer**, *Karat.io*, Remote.
- 2017 **Technical Lead**, *Soli*, Boston, MA.
- 2016 **Software Engineering Co-op**, *Sonian*, Waltham, MA.
Back-end engineer on the email archiving team. Used Clojure and ElasticSearch.

- 2015 **Software Engineering Co-op**, *Gem.co*, Los Angeles, CA.
Back-end engineer on the core Bitcoin API team. Used Ruby and PostgreSQL.
- 2014 **Software Engineering Co-op**, *HubSpot*, Cambridge, MA.
Back-end engineer on the Analytics team. Used Java, Apache Hadoop, HBase, and Kafka.
- 2013 **Software Engineer**, *Focused Coaching*, Morganville, NJ.
Sole developer of online score aggregation platform. Used Ruby-on-Rails.

Research Adoption & Coverage

- 2020 Introducing CRLite: All of the Web PKI's revocations, compressed. *Mozilla Security Blog*

Community

- 2018 **Technical Advisory Volunteer**, *ACLU Massachusetts*.
Demystified privacy and security concerns at community "Crypto Parties".
- 2018 **Technical Mentor**, *YouthCITIES*.
Mentored high school students building healthcare-focused startup prototypes.