

# Ryan Little

## CONTACT

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Google Scholar: [scholar.google.com/citations?user=cEgmFecAAAAJ](https://scholar.google.com/citations?user=cEgmFecAAAAJ)

## EDUCATION

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- 2022 - Present      **Boston University**, Boston MA  
PhD, Computer Science  
Advised by Mayank Varia
- 2021                **Oregon State University**, Corvallis OR  
BS, Computer Science  
BS, Mathematics

## PAPERS

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1. **Ticket to Hide: Practical, Private Proofs of Provenance for TLS**  
Ryan Little, Daniel S. Roche, Mayank Varia  
*Preprint*. March 2026  
<https://eprint.iacr.org/2026/540.pdf>
2. **Secure Account Recovery for a Privacy-Preserving Web Service**  
Ryan Little, Lucy Qin, Mayank Varia  
*USENIX Security 2024*. August 2024  
<https://www.usenix.org/system/files/usenixsecurity24-little.pdf>
3. **Revisiting the BGPS Rotations-of- $\mathbb{Z}^n$  Cryptosystem: An Implementation, Challenges, and Attacks**  
Huck Bennett, Ryan Little  
*Manuscript*. 2022

## TALKS AND POSTERS

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1. **Ticket to Hide: Private, Efficient Proofs of Provenance for TLS Traffic**
  - United States Naval Academy, Annapolis MD, May 2026
  - [DC-Area Anonymity, Privacy, and Security Seminar](#), College Park MD, May 2026
  - Poster, [RSAC Conference](#), San Francisco CA, March 2026
  - [BU Security Seminar](#), Boston MA, November 2025.
  - [BU Seminar on Practical Security](#), Boston MA, July 2025.
  - [SystemPC Workshop](#), Boston MA, July 2025.

## 2. Secure Account Recovery for a Privacy-Preserving Web Service

- [USENIX Security](#), Philadelphia PA, August 2024. [Video](#)
- [ReCAP Workshop](#), Medford MA, May 2024. [Video](#)
- Poster, [New England Security Day](#), Storrs CT, March 2024.
- [BU Security Seminar](#), Boston MA, February 2024.

## TEACHING

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Fall 2025            **Teaching Assistant**, Blockchains and their Applications

Spring 2025        **Teaching Assistant**, Graduate Cryptography I

## EXPERIENCE

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2022                **Amazon**, Portland OR  
Software Development Engineer

Summer 2021      **Amazon**, Portland OR  
Software Development Engineer Intern

Summer 2019      **Cylance**, Portland OR  
Software Engineer Intern

## COMMUNITY SERVICES

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1. **Cryptography Advisory Board Member**, [Callisto](#), 2023 - Present
2. **Organizer**, Boston University Security Seminar (BUsec), 2024-25
3. **External reviewer**, USENIX Security 2025
4. **External reviewer**, Computer Security Foundations Symposium 2025
5. **External reviewer**, USENIX Security 2024

## AWARDS

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2020                Semiconductor Research Corporation Undergraduate Research Scholar

2020                Research and Experiential Learning for Undergraduates Scholar

*[Last updated: May 8, 2026]*