

Curriculum Vitæ of
Jared Chandler

🏠 www.eecs.tufts.edu/~chandler ✉ jared.chandler@tufts.edu
🔍 [google scholar](#)

EDUCATION

| | | |
|-----------------|--|--------------------------------|
| 2024 (Expected) | Ph.D. Computer Science (Advisor: Kathleen Fisher) | TUFTS UNIVERSITY |
| 2017 | M.Sc. Computer Science | TUFTS UNIVERSITY |
| 2009 | BFA Studio Art: Drawing and Interactive Digital Media | UNIVERSITY OF ALASKA ANCHORAGE |
| 2001 | BA History | UNIVERSITY OF ALASKA ANCHORAGE |

PUBLICATIONS

CONFERENCE PUBLICATIONS

1. **Jared Chandler**, Adam Wick, and Kathleen Fisher. Automatic keyword identification in unknown binary message formats. In Submission.
2. **Jared Chandler**, Adam Wick, and Kathleen Fisher. Binaryinferno: A semantic-driven approach to field inference for binary message formats. In *Proceedings of the 30th Annual Symposium on Network and Distributed System Security (NDSS)*, 2023. [PDF]
3. **Jared Chandler** and Adam Wick. Deceptive self-attack for cyber-defense. In *Proceedings of the 56th Hawaii International Conference on System Sciences (HICSS)*, 2023. [PDF]
4. **Jared Chandler**, Kathleen Fisher, Erin Chapman, Eric Davis, and Adam Wick. Invasion of the botnet snatchers: A case study in applied malware cyberdeception. In *Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS)*, 2020. [PDF]

WORKSHOP PUBLICATIONS

5. **Jared Chandler** and Adam Wick. Synthesizing intrusion detection system test data from open-source attack signatures. In *2023 IEEE Security and Privacy Workshops (LANGSEC)*, pages 198–208. *IEEE*, 2023 [PDF]
6. Lauren Labell, **Jared Chandler**, and Kathleen Fisher. Automatic discovery and synthesis of checksum algorithms from binary data samples. In *Proceedings of the 15th Workshop on Programming Languages and Analysis for Security (PLAS)*, pages 25–34, 2020. [PDF]

HONORS

| | | |
|------|---|---------------------------|
| 2023 | DemoDay: Invited Presenter Presented protocol reverse engineering research as part of Pentagon DemoDay event. | THE PENTAGON |
| 2023 | Best Technical Poster Award Voted best technical poster presented at 30th Symposium on Network and Distributed System Security. | NDSS 2023 (SAN DIEGO, CA) |
| 2022 | DARPA Forward Selected Presenter Selected through competition to present research brief to DARPA senior leadership. | DARPA FORWARD (TEXAS A&M) |
| 2022 | DARPA Forward Riser Nominated as DARPA Forward Riser: “Risers are up-and-coming standouts in their fields, whose research is related to national security and demonstrates the potential to lead to technological surprise.” | DARPA FORWARD (TEXAS A&M) |

DISSERTATION RESEARCH FUNDING

| | | |
|------|--|--------------------------|
| 2019 | DARPA Safe Documents Program (SAFEDOCS) | DARPA (HR0011-19-C-0073) |
| 2018 | RIVETSS: Repository, Integration, and Verification Toolset | USAF (FA8750-19-C-0039) |
| 2016 | PRATTLE: Deception and Anti-Reconnaissance via CyberChaff | USAF (FA8750-15-C-0245) |

SERVICE TO THE SCIENTIFIC COMMUNITY

| | |
|-----------|--|
| Workshops | Invited Expert: ISAT/DARPA FINDS Workshop 2024 |
| | Invited Expert: ISAT/DARPA ODDBIO Workshop 2021 <i>Information Science & Technology Study Group (ISAT) is a DARPA advisory group focused on assessments on the state of advanced information science and technology and how it relates to the U.S. Department of Defense.</i> |
| Reviewer | IEEE Transactions on Dependable and Secure Computing 2023 |
| | Symposium on Visualization for Cyber Security (VizSec) 2016 |
| Volunteer | Programming Language Design and Implementation (PLDI) 2019 Student Volunteer, Programming Committee Scribe. |

TEACHING HISTORY

| | | |
|-------------|--|------------------|
| 2023 Fall | Instructor: How Systems Work (CS202) | TUFTS UNIVERSITY |
| 2023 Summer | Presenter: Putting the Tech into Cybersecurity Workshop | TUFTS UNIVERSITY |
| 2023 Spring | Guest Lecturer: How Systems Fail (CS207) | TUFTS UNIVERSITY |
| 2023 Spring | Instructor: Cybersecurity Fundamentals Intensive | TUFTS UNIVERSITY |
| 2017 Fall | Graduate Teaching Fellow: Programming Languages (CS105) | TUFTS UNIVERSITY |
| 2017 Spring | Graduate Teaching Fellow: Programming Languages (CS105) | TUFTS UNIVERSITY |
| 2016 Fall | Graduate Teaching Fellow: Programming Languages (CS105) | TUFTS UNIVERSITY |
| 2016 Spring | Graduate Teaching Assistant: Programming Languages (CS105) | TUFTS UNIVERSITY |

COMMUNITY SERVICE

| | | |
|-----------|---|------------------|
| 2021-2023 | Computer Science Department Student Advisory Board Member | TUFTS UNIVERSITY |
| 2021-2022 | Tufts Computer Science Grad Students Association Board Member | TUFTS UNIVERSITY |
| 2018-2022 | Computer Science Graduate Student Orientation Panel Participant | TUFTS UNIVERSITY |

PUBLIC SPEAKING

| | | |
|------|--|------------------|
| 2023 | Workshop on Learning from Authoritative Security Experiment Results (LASER) SAN DIEGO, CA BinaryInferno: Experiment Design and Evaluation Considerations When Reverse Engineering Message Formats from Network Traces | |
| 2022 | Tech @ Fletcher Tech Talks Invited Speaker | TUFTS UNIVERSITY |
| 2019 | BSides Las Vegas Security Conference Invited Speaker (Video) | LAS VEGAS, NV |
| 2016 | Tisch Libraries Workshop Invited Speaker on Data Visualization | TUFTS UNIVERSITY |