Brian **Kondracki**

PH.D. CANDIDATE

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Hard working Computer Science Ph.D. candidate looking for an exciting opportunity where my specific skills and knowledge of cyber security and quantitative reasoning can be used to a mutual benefit.

Research Interests

Web Security and Privacy, Network Security, System Security, Fingerprinting, and Intrusion Detection

Education

Stony Brook University   *Stony Brook, New York*
PH.D. IN COMPUTER SCIENCE   *Jan. 2019 - Present*

Stony Brook University   *Stony Brook, New York*
M.S. IN COMPUTER SCIENCE   *Jan. 2018 - Dec. 2018*

Stony Brook University   *Stony Brook, New York*
B.S. IN COMPUTER SCIENCE   *Aug. 2014 - December 2017*
- Concentration: Computer Security

Professional Experience

Pragsec Lab, Stony Brook University   *Stony Brook, New York*
GRADUATE RESEARCH ASSISTANT   *Jan. 2018 - Present*
- Advisor - Prof. Nick Nikiforakis
- Conduct state-of-the-art cyber security research
- Publish findings in flagship cyber security conferences

Meta   *Menlo Park, California*
SOFTWARE ENGINEER INTERN   *May 2021 - August 2021*
- Developed data integrity auditing service for Network Analytics data pipelines
- Extended existing Network Analytics tools to provide functionality required by partner teams

Pragsec Lab, Stony Brook University   *Stony Brook, New York*
UNDERGRADUATE RESEARCH ASSISTANT   *Aug. 2017 - Dec. 2017*
- Designed and developed high interaction honeypot system, VonSSH

Faculty Student Association, Stony Brook University   *Stony Brook, New York*
IT TECHNICIAN   *May 2017 - Aug. 2018*
- Designed and implemented software solutions to increase company efficiency across all departments
- Developed and maintained corporate Windows 10 image to ensure company security policies were enforced at all workstations
- Designed, tested, and monitored computer systems in use across campus

Sodexo Inc.   *Stony Brook, New York*
WEB COORDINATOR   *Jan. 2016 - May 2017*
- Managed daily changes to campus dining website
- Designed and developed computer systems to automate the creation and distribution of financial reports
- Used data science knowledge to produce insights in support of corporate financial decisions

RiS3 Lab, Stony Brook University   *Stony Brook, New York*
UNDERGRADUATE RESEARCH ASSISTANT   *Aug. 2016 - Dec. 2016*
- Studied the privacy implications of cross device tracking on Android mobile devices
- Uncovered data leaks in Android's file permissions service, SEAndroid

Publications

Uninvited Guests: Analyzing the Identity and Behavior of Certificate Transparency Bots

Brian Kondracki, Johnny So, Nick Nikiforakis   *Aug. 2022*

Proceedings of the 31st USENIX Security Symposium (USENIX Security)

Verba Volant, Scripta Volant: Understanding Post-publication Title Changes in News Outlets

Xingzhi Guo, Brian Kondracki, Nick Nikiforakis and Steven Skiena   *Apr. 2022*

Proceedings of the 31st Web Conference (WWW)

The Droid is in the Details: Environment-aware Evasion of Android Sandboxes

Brian Kondracki, Babak Amin Azad, Najmeh Miramirkhani, Nick Nikiforakis   *Feb. 2022*

Proceedings of the 29th Network and Distributed System Security Symposium (NDSS)

Catching Transparent Phish: Analyzing and Detecting MITM Phishing Toolkits

Brian Kondracki, Babak Amin Azad, Oleksii Starov, Nick Nikiforakis   *Nov. 2021*

Proceedings of the 28th ACM Conference on Computer and Communications Security (CCS)

Where are you taking me? Understanding Abusive Traffic Distribution Systems

Janos Szurdi, Meng Luo, Brian Kondracki, Nick Nikiforakis, Nicolas Christin   *Apr. 2021*

Proceedings of the 30th Web Conference (WWW)

To Err.Is Human: Characterizing the Threat of Unintended URLs in Social Media

Beliz Kaleli, Brian Kondracki, Manuel Egele, Nick Nikiforakis, Gianluca Stringhini *Feb. 2021*

Proceedings of the 28th Network and Distributed System Security Symposium (NDSS)

Meddling Middlemen: Empirical Analysis of the Risks of Data-Saving Mobile Browsers

Brian Kondracki, Assel Aliyeva, Manuel Egele, Jason Polakis, Nick Nikiforakis   *May. 2020*

Proceedings of the 41st IEEE Symposium on Security and Privacy (IEEE S&P)

Teaching Experience

Stony Brook University   *Stony Brook, New York*

Instructor, WSE380 - Honeypots and Intrusion Detection   *Spring 2022*

Stony Brook University   *Stony Brook, New York*

Instructor, WSE380 - Honeypots and Intrusion Detection   *Fall 2021*

Stony Brook University   *Stony Brook, New York*

Instructor, WSE380 - Honeypots and Intrusion Detection   *Spring 2021*

Stony Brook University   *Stony Brook, New York*

Instructor, WSE380 - Honeypots and Intrusion Detection   *Fall 2019*

Stony Brook University   *Stony Brook, New York*

Teaching Assistant, CSE219 - Introduction to Software Development   *Spring 2016*

Honors & Awards

Fellowships

2021   **GAANN Fellowship**, Recipient
2020   **GAANN Fellowship**, Recipient
2019   **GAANN Fellowship**, Recipient

Awards

2021   **3rd Place**, CSAW Applied Research Competition
2021   **Excellence in Graduate Student Research**, Stony Brook University
2021   **Best Talk**, Stony Brook University Graduate Research Day
2019   **Bug Bounty Hall of Fame**, Opera Browser

Public Service

2021	**Internal Reviewer,**	Transactions on the Web
2021	**Internal Reviewer,**	Computers & Security
2021	**Internal Reviewer,**	The Computer Journal
2020	**External Reviewer,**	Detection of Intrusions and Malware and Vulnerability Assessment (DIMVA)
2020	**External Reviewer,**	Workshop on Measurements, Attacks, and Defenses for the Web (MADWeb)

Skills

Programming	Python, C/C++, JAVA, HTML/CSS, JavaScript, Lua, SML, Prolog, Swift, VBScript, LaTeX
Software	Django, SQL, Android Studio, XCode
Other	Excellent public speaker and writer