

# Brian Kondracki

PH.D. CANDIDATE

55 Hillside Ave. St. James, NY 11780

☎ (631) 598-9070 | ✉ bkondracki@cs.stonybrook.edu | 🏠 briankondracki.com | 📷 briankon116 | 🌐 briankon116

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

## Research Interests

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

## Education

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### Stony Brook University

PH.D. IN COMPUTER SCIENCE

Stony Brook, New York

Jan. 2019 - Present

### Stony Brook University

M.S. IN COMPUTER SCIENCE

Stony Brook, New York

Jan. 2018 - Dec. 2018

### Stony Brook University

B.S. IN COMPUTER SCIENCE

- Concentration: Computer Security

Stony Brook, New York

Aug. 2014 - December 2017

## Professional Experience

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### Pragsec Lab, Stony Brook University

GRADUATE RESEARCH ASSISTANT

Stony Brook, New York

Jan. 2018 - Present

### Facebook

SOFTWARE ENGINEER INTERN

- Developed data integrity auditing service for Network Analytics data pipelines
- Extended existing Network Analytics tools to provide functionality required by partner teams

Menlo Park, California

May 2021 - August 2021

### Pragsec Lab, Stony Brook University

UNDERGRADUATE RESEARCH ASSISTANT

- Designed and developed high interaction honeypot system, VonSSH

Stony Brook, New York

Aug. 2017 - Dec. 2017

### Faculty Student Association, Stony Brook University

IT TECHNICIAN

- 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

Stony Brook, New York

May 2017 - Aug. 2018

### Sodexo Inc.

WEB COORDINATOR

- 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

Stony Brook, New York

Jan. 2016 - May 2017

### RiS3 Lab, Stony Brook University

UNDERGRADUATE RESEARCH ASSISTANT

- Studied the privacy implications of cross device tracking on Android mobile devices
- Uncovered data leaks in Android's file permissions service, SEAndroid

Stony Brook, New York

Aug. 2016 - Dec. 2016

## Publications

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### 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

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### Stony Brook University

INSTRUCTOR, WSE380 - HONEYPOTS AND INTRUSION DETECTION

Stony Brook, New York

Spring 2022

### Stony Brook University

INSTRUCTOR, WSE380 - HONEYPOTS AND INTRUSION DETECTION

Stony Brook, New York

Fall 2021

### Stony Brook University

INSTRUCTOR, WSE380 - HONEYPOTS AND INTRUSION DETECTION

Stony Brook, New York

Spring 2021

### Stony Brook University

INSTRUCTOR, WSE380 - HONEYPOTS AND INTRUSION DETECTION

Stony Brook, New York

Fall 2019

### Stony Brook University

TEACHING ASSISTANT, CSE219 - INTRODUCTION TO SOFTWARE DEVELOPMENT

Stony Brook, New York

Spring 2016

## Public Service

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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

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**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