

Boladji **Vinny** Adjibi

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Education

Georgia Institute of Technology

PHD IN ELECTRICAL AND COMPUTER ENGINEERING

GPA: 3.85

Atlanta, Georgia, USA

Aug 2022 – May 2027 (expected)

Carnegie Mellon University

MASTERS OF SCIENCE IN INFORMATION TECHNOLOGY

GPA: 3.80

Pittsburgh, Pennsylvania, USA

Aug 2019 – May 2021

University of Abomey-Calavi

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

GPA: 3.80

Abomey-Calavi, Republic of Benin

Sep 2015 – Jul 2018

Experience

RESEARCH EXPERIENCE

Graduate Research Assistant

CENTER FOR CYBER OPERATIONS ENQUIRY AND UNCONVENTIONAL SENSING (COEUS), GEORGIA TECH

- Developed a methodology to attribute domain names to companies with high confidence.
- Implemented a module to download malware binaries for analysis with an appropriate quota balancing.

Atlanta, GA

Aug 2022 - Present

Research and Development Specialist

TRUSTWORTHY SOFTWARE ENGINEERING (TRUX), UNIVERSITY OF LUXEMBOURG

- Researched crypto mining applications in the Android ecosystem.
- Conducted research on the evolution of smart contracts in the wild.

Luxembourg City, Luxembourg

Jan 2022 - Aug 2022

Research Assistant

CYLAB AFRICA, CARNEGIE MELLON UNIVERSITY AFRICA

- Designed and implemented an SDN controller that detects changes in an online fashion for automatic fault recovery.
- Created two hacking challenges for a new Capture The Flag competition.

Kigali, Rwanda

Jun 2021 - Dec 2021

Research Intern

ROBOTICS LAB, CARNEGIE MELLON UNIVERSITY AFRICA

- Built a fully functional robot simulator for the Lynxmotion AL5D robotic arm from scratch.
- Created a ROS package to control the robot model and environment using LISP and C++.

Kigali, Rwanda

May 2020 - Aug 2020

TEACHING EXPERIENCE

Lead Instructor

ECOLE POLYTECHNIQUE DE OUAGADOUGOU

- Taught two modules on Information Security and Systems Audit.
- Guided two students in finding a thesis project.

Ouagadougou, Burkina-Faso

Jun 2022 - Jul 2022

Teaching Assistant

CARNEGIE MELLON UNIVERSITY AFRICA

- (Aug 2020 - Dec 2020): Created the programming assignments and their auto-graders for the Mathematical Foundations of ML class.
- (Jan 2021 - May 2021): Guided the students through their programming assignment for the Cognitive Robotics class.

Kigali, Rwanda

Aug 2020 - May 2021

PROFESSIONAL EXPERIENCE

Cloud Architect

OLTRANZ LTD.

- Improved the time to deploy new applications to the cloud by 30% by updating the CI/CD pipeline.
- Created a Helm chart for each deployment type to reduce the risk of configuration errors in new deployments.

Kigali, Rwanda

Nov 2020 - Apr 2021

Fullstack developer

JMA PLUS

- Improved application performance by 10% using efficient queries leveraging the Laravel database API.
- Extended and created new CMS extensions to fit the customers' needs.

Cotonou, Rep. of Benin

Sep 2018 - Jun 2019

Network Operations Center Engineer

HUAWEI TECHNOLOGIES BENIN

- Improved the incident reporting delay by 75% by implementing an automated logs parser using Javascript.
- Created a Python script to automate the generation of a weekly report.

Cotonou, Republic of Benin

Jul 2016 - Sep 2017

Publications

The Guardians of Name Street: Studying the Defensive Registration Practices of the Fortune 500

BOLADJI VINNY ADJIBI, ATHANASIOS AVGETIDIS, MANOS ANTONAKAKIS, MICHAEL BAILEY, FABIAN MONROSE

Netw. Distrib. Syst. Secur. Symp.
(NDSS) 2025 (to appear)

San Diego, CA, USA

The Devil is in the Details: Unwrapping the Cryptojacking Malware Ecosystem on Android

BOLADJI VINNY ADJIBI, FATOU NDIAYE MBODJI, TEGAWENDÉ F BISSYANDÉ, KEVIN ALLIX, JACQUES KLEIN

IEEE Work. Conf. Source Code
Analysis & Manipulation 2022

Cyprus

Awards

- Oct 2024 **Distinguished Artifact Reviewer Award**, ACM CCS 2024
- Sep 2023 **Distinguished Artifact Reviewer Award**, 39th Annual Computer Security Applications Conference
- May 2021 **Lakshmi Subramanian CMU-Africa Student Excellence Award**, Carnegie Mellon University Africa
- Sep 2017 **Best Student Award 2017**, Université d'Abomey-Calavi

Certifications

- Aug 2022 **Stanford Advanced Cybersecurity Program**, Details
- Jul 2020 **Certified Ethical Hacker v10**, ID: ECC2634789510, Name: Segla Boladji Vinny Trinite Adjibi
- May 2020 **Microsoft Certified: Azure Fundamentals**, ID: H418-3332

Skills

Programming Languages: (advanced) Python, Bash (intermediate) C++, Java, Java Android, (low) PHP, Lisp, C.
Systems & Security: Docker containers, Redis, Kali Linux, IDA Pro.
Data Analysis & ML: Pandas, PyTorch, scikit-learn

Service

- 2024 **Artifact Evaluation Committee**, 32nd Annual Network and Distributed System Security Symp.
- 2024 **Artifact Evaluation Committee**, 31st ACM Conference on Computer and Communications Security
- 2023 **Artifact Evaluation Committee**, 39th Annual Computer Security Applications Conference

Extra-curricular activities

Public speaking: I am the current VP of Education of Georgia Tech's local chapter of Toastmasters International.

Writing : I often write blog articles on <https://boladjivinny.gitlab.io>.

Reading: : I read self-help, biographies, history, psychology, and other non-fiction books.