

Boladji **Vinny** Adjibi

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Education

Georgia Institute of Technology

PHD IN ELECTRICAL AND COMPUTER ENGINEERING

GPA: 3.85

Atlanta, GA

Aug 2022 – May 2027 (expected)

Carnegie Mellon University

MASTERS OF SCIENCE IN INFORMATION TECHNOLOGY

GPA: 3.80

Pittsburgh, PA

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 Teaching Assistant, Orientation Program for new graduate students

CARNEGIE MELLON UNIVERSITY AFRICA

- Designed and implemented a programming assignment for a modular pharmacy management system.
- Prepared and delivered multiple lectures in a classroom of more than 50 students.

Rwanda, Kigali

Jul 2023 - Aug 2023

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 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

- Sept. 2023 **Distinguished Artifact Reviewer Award**, 39th Annual Computer Security Applications Conference
- May 2021 **Lakshmi Subramanian CMU-Africa Student Excellence Award**, Carnegie Mellon University Africa
- Sept. 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

Extra-curricular activities

Public speaking: I am the current Vice-President of Education of our local chapter of Toastmasters International (Techmasters).

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

Reading: I read 17 books of various genres last year and already read 11 this year.

Cooking: Being in the kitchen relaxes me, and I aim to cook many meals weekly.