

YAGAKA TAGNE GABRIEL WILFRIED

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[portfolio](#)

EDUCATION

University of Yaounde 1 <i>First year Master's in IT Security</i>	Sept 2023 – June 2024
University of Dschang <i>B.S. Computer Science</i>	June 2023

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Database Management System, Dynamic web programming, Linear Algebra, Operating System, Networking, Probability & Statistics, Mobile Development, Cryptography, Computer Security, Theory of Computation, Software Engineering, Data Engineering, Information System, Formal Language and Compilation, Design and analysis of algorithms, web application Engineering, Structured programming

SKILLS

Programming Languages: C/C++, Python, Java, JavaScript/TypeScript, HTML/CSS, PHP, LaTeX

Tools: Git/GitHub, Docker, MySQL, PostgreSQL, Sqlite, VS Code, PyCharm, Eclipse, Code::Blocks, Cursor, Trello

Frameworks: Laravel, Django, Flask, Fast-api, Nodejs, Bootstrap, Tailwind, React.js, React Native, OWASP Top 10

WORK EXPERIENCE

Alshadows Technology <i>Full-Stack Mobile and Web Developer, GitHub, (UX/UI)</i>	January. 2025 – May. 2025
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- Assist with the configuration and maintenance of servers.
- Monitor the performance and security of systems.
- Automate certain tasks with scripts.
- Install and configure software.
- Working as a full-stack developer
- Participate in the design and analysis of software
- Working on the analysis and implementation of a mobile application using React Native and an administration dashboard using React.js for an E-medical app (HomeDoctor)
- Familiarized with GitHub, GitHub actions, and Trello for task assignment, version Control, and automation.
- Implemented the website of Alshadows Technology using React.js, which could be seen at alshadows.com
- Participated in the implementation of Sultanatbamoun website at sultanatbamoun.cm
- Participated in the analysis and implementation of the internet of Cameroon website at internet.cm
- Experience with Rest Api.
- Performing security testing and applying secure code principles by OWASP

Alfirk Agency <i>Artificial Intelligence and Software Developer Intern</i>	June. 2024 – May. 2024
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- Working as a full-stack developer
- Participate in the design and analysis of software
- Working on E-commerce web applications using React.js and Laravel 9
- Familiarized with GitHub, Trello for task assignment, version Control, and teamwork.
- Experience with Rest Api.

PROJECTS

CloudDeal Laravel, HTML/CSS, Alpine.js, APIs (Stripe), MySQL, Git/GitHub, AJAX, Trello, JQuery, VS Code	Nov. 2023
<ul style="list-style-type: none">Developed a full-stack web application CloudDeal(An online exchange site developed to cater to the African and Cameroonian mentality) with LaravelUsed Laravel API in conjunction with backend databases and APIsExperimented with MVC architectureImplementation of dynamic search on a Laravel project with Alpine.js.Use of the MySQL database management system for data storage.Use of GitHub for version control and project evolution.Integration of Stripe payment on a Laravel project.Use of Trello for task assignment.Solved problems relating to asynchronous tasks	
BioTrack Django, HTML/CSS, JavaScript, OpenCV, Git, SQLite, PyCharm	Dec 2023 – Jan 2024
<ul style="list-style-type: none">Developed a full-stack web application for student authentication by face recognition using Django.Experimented with MVT architectureSolved problems related to image model training	
StudyBud Django, HTML/CSS, JavaScript, Socket, Git, SQLite, PyCharm	May 2023
<ul style="list-style-type: none">Developed a full-stack web application chat room with DjangoExperience with MVT architectureCollaborated with live streamers to get feedback and suggested featuresSolved problems relating to asynchronous tasks	
Crypto-AES-DES Django, python, Html, Bootstrap, Javascript, Github	Sept 2023 – Nov 2024
<ul style="list-style-type: none">Analysing and implementing the Advanced Encryption Standard(AES) and the Data Encryption standard(DES) algorithms using pythonDeveloping a web application using Django to utilize these algorithmsCollaborating with a team throughout the development process.	

RESEARCH PROJECT

Multi-domain Deception Reinforcement Learning(POMDP), Machine Learning, cyber deception	May 2025 – present
<ul style="list-style-type: none">Proposing an optimisation framework for an existing two-layer signaling game model using machine learningDesigning a multi-agent reinforcement learning model for the two sender(Defender), receiver (attacker) model designed by Kamdem et al (2024), Two-Layer Deception Model Based on Signaling Games Against Cyber Attacks on Cyber-Physical SystemsWorking in collaboration with Dr. Charles Kamhoua(Network Security Branch, DEVCOM Army Research Laboratory, Adelphi, MD 20783, USA), and Aymar Le Pere(University of Dschang).	

EXPERIENCE

Computer Science Club Member	Sept. 2023 – Present
Involved in the club centered around the Mentorship program for undergraduates	
Voluntary Tutor	2019 – Present
Routinely tutor students in math, Computer Science, Web development, and cybersecurity.	

HOBBIES

Playing Basketball	2019 – 2022
Played the regional basketball competition of the littoral region.	
Coding challenges	Feb. 2024
Participated in the TAI-IP-21 Day JavaScript Challenge	

LANGUAGES

English Native
French Advanced