

Ramnick Francis Ramos

+639602771720 | ramnickfrancisramos@gmail.com | linkedin.com/in/rfpramos | ramnickfrancisramos.dev

EDUCATION

University of the Philippines Los Baños <i>Bachelor of Science in Computer Science; GWA: 1.4431; Candidate for Magna cum Laude</i>	Los Baños, Laguna Aug. 2021 – Dec. 2025
Philippine Science High School - CALABARZON Region Campus <i>High School Diploma; GWA: 1.42; Graduated with High Honors</i>	Batangas City, Batangas July 2015 – May 2021

EXPERIENCE

Software Development Intern <i>UPLB Computational Interdisciplinary Research Labs (CINTERLABS)</i>	June 2024 – Aug. 2024 Los Baños, Laguna, Philippines
• Collaborated with a team of six developers in making dashboards for datasets gathered on 120+ biological profilings on cave ecosystems. • Made in collaboration with the Museum of Natural History of the University of the Philippines Los Banos.	
Software Quality Assurance Intern <i>KUMU, INC.</i>	Aug. 2023 Remote
• Utilized Jira to report bugs and issues in a mobile live-streaming application. • Performed smoke testings with other interns while following Agile Methodology Principles.	

PROJECTS

SEED Laboratory Reports on Cybersecurity <i>Bash</i>	Aug. 2025 – Present
• Produced comprehensive laboratory reports on exploratory simulated environments about Encryption, Public Key Infrastructure, Shellshock Attacks, SQL Injection, TCP/IP Protocol Suite, Cross-Site Scripting (XSS), etc. • Performed penetration testings and in-depth analysis on malwares using Ubuntu and Linux's Command Line • Documented findings through a collection of reports that incorporates suggestions on improving Information Security.	
BatSeq <i>MySQL, ExpressJS, ReactJS, NodeJS</i>	Jan. 2025 – Dec. 2025
• Developed a web application implementing bioinformatics tools such as BLAST for nucleotide sequences under UPLB-Museum of Natural History. • Designed and developed the database schema on microbial data • Engineered API Endpoints for the data retrieval and requesting together with npm packages for bioinformatics.	
BRICS -Booking and Reservation for Institute of Computer Science <i>ReactJS, NodeJS, ExpressJS, MongoDB</i>	
• Worked for the frontend development team to create a room reservation system for the Institute of Computer Science - UPLB. • Developed the user interface using ReactJS and Material UI in collaboration with the UI/UX team. • Collaborated with backend team to coordinate the API endpoints of the database schema using NodeJS and ExpressJS with the frontend.	

TECHNICAL SKILLS

Programming & Scripting: Python, JavaScript, C, Java, Assembly, SQL, Bash, HTML
Web & Application Security: SQL Injection, Cross-Site Scripting (XSS), Input Validation
Networking & Protocols: TCP/IP, DNS Security, Packet Analysis, Wireshark
Cryptography & Encryption: Symmetric/Asymmetric Encryption, Public Key Infrastructure (PKI), Hashing Algorithms
Penetration Testing & Exploits: Buffer Overflow, Shellshock, Malware Analysis, Vulnerability Assessment, Metasploit
Databases: MySQL, MariaDB, MongoDB, Firebase, Secure Database Configuration
Frameworks & Tools: ReactJS, NodeJS, ExpressJS, Flutter, Docker, Git, GitHub, VS Code, IntelliJ, Eclipse, Oracle VirtualBox, Figma
Software Development: Agile Methodologies, Software Testing, Version Control, UI/UX Design