

Ramnick Francis Ramos

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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
Philippine Science High School - CALABARZON Region Campus <i>High School Diploma; GWA: 1.42; Graduated with High Honors</i>	Batangas City, Batangas <i>July 2015 – May 2021</i>

EXPERIENCE

Software Development Intern <i>UPLB Computational Interdisciplinary Research Labs (CINTERLABS)</i>	June 2024 – Aug. 2024 <i>Los Baños, Laguna, Philippines</i>
<ul style="list-style-type: none">Collaborated with a team of six developers in making and refactoring dashboards for datasets gathered on 120+ biological profilings on cave ecosystems using MySQL, ExpressJS, ReactJS, and NodeJS.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 <i>Remote</i>
<ul style="list-style-type: none">Utilized Jira to report bugs and issues in a mobile live-streaming application.Performed smoke tests with other interns while following Agile Methodology Principles.	

PROJECTS

SEED Laboratory Reports on Cybersecurity <i>Bash</i>	Aug. 2025 – Present
<ul style="list-style-type: none">Produced comprehensive laboratory reports on exploratory simulated environments about Buffer Overflow Attacks, DNS Exploits, Encryptions, Environment SetUID, Public Key Infrastructure, Shellshock Attacks, TCP/IP, Cross-Site Scripting (XSS).Performed penetration testings and in-depth analysis on malwares using Ubuntu and Linux's Command Line.Made documentations on the analysis and provided suggestions and insights regarding improving Information Security.	
BatSeq <i>MySQL, ExpressJS, ReactJS, NodeJS</i>	Jan. 2025 – Dec. 2025
<ul style="list-style-type: none">Developed a web-based database management system that incorporates bioinformatics tools for the nucleotide dataset of the Museum of Natural History of the University of the Philippines Los Banos.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>	
<ul style="list-style-type: none">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

Languages: Assembly, Bash, Python, JavaScript, C, Java, SQL, HTML, COBOL, Prolog, SCHEME, Erlang, Rust
Frameworks: Metasploit, Docker, ReactJS, ExpressJS, NodeJS, Flutter
Developer Tools: Wireshark, VS Code, Oracle VirtualBox, Figma, Git, GitHub
Libraries: Scapy, Nmap, Material UI, seqviz, blastJS, phylotreeJS

AFFILIATIONS

Developer for Logistics and Public Affairs, Alliance of Computer Science Students (ACSS) - UPLB	Dec. 2021 – Present
Non-Commissioned Cadet Officer, UPLB ROTC - Corps of Cadets	Nov. 2021 – May 2022

HONORS & AWARDS

Candidate for Magna cum Laude, University of the Philippines Los Baños	Dec. 2025
Recipient, Department of Science and Technology - Science Education Institute Merit Scholarship	Aug. 2021 – Dec. 2025
Inductee, Phi Kappa Phi International Honor Society	July 2024