

# XYPHER KELLY D. BUMATAY

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## WORK/SKILL SUMMARY

- **Front-End Developer and UX/UI Designer:** Experience in creating and designing resources for website and mobile applications or platforms, also delved on game creation, technical production of media, and advanced knowledge on Microsoft-based applications.

**Programming Languages:** C#, C++, Assembly, HTML, CSS, Python, SQL, Java

**Development Tools:** Visual Studio Code, Android Studio, Unreal Engine, RenPy, PyCharm, Figma

- **Embedded Software and Electronics Engineer:** Worked on network systems, electronic integrations, and microcontroller/microprocessor usage for IoT on both software and hardware projects.

**Hardware:** Arduino Uno Hardware and IDE, Raspberry Pi 4 Hardware and IDE

- **Project Management Experience:** Led numerous research and leadership projects, from website creation, mobile application development, information and management analysis, audience broadcasting, and hosting presentation talks.

**Platforms:** Windows, Microsoft Office, Google Workspace, Salesforce

**Multimedia Tools:** Adobe Creative Cloud, Autodesk AutoCAD, Audacity, Canva

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## WORK EXPERIENCE

- **UX/UI Designer and Analyst Intern**

Aug-Oct 2023

DOST-SEI (LODI - League of Developers Initiative)

General Santos Avenue, Bicutan, Taguig City

- Built and designed UI/UX resources for front-end usage of database platforms;
- Outlined and organized website and mobile-based database platforms with a team through Figma;
- Produced, edited, and presented logo designs, video promotions, and 3D visualizations of various media with the team;

- **IT Researcher Intern**

Aug-Oct 2022

Verafede Inc.

128C Pioneer St., Mandaluyong

- Played an integral part of research information and documentary analysis for the possible use of electronic signatures (E-signatures) for the company;
- Presented and interpolated research results through the audiences of the team leader and head director;
- Supervised and managed virtual meetings for the company and with respective partner companies;

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## PROJECTS (links in Portfolio)

### Multi-Grain Rice Dispensing Machine with SMS and Payment System – (Prototype Machine) | 2023~2024

- Thesis Leader, Project Manager, and Development Operations for software and hardware in creating a prototype machine for dispensing multiple varieties of rice grains with SMS and payment integrations.

### Workada – (All-In-One Task & Management Application) | 2023~2024

- Worked as Front-end Developer, Documentation Researcher, and Lead Presenter of an all-in-one app that provides task organization, calendar and alert reminders, note diary, and budget tracking.

### Audit and Management Dashboard System – (UI/UX Design Resources & Dashboard) | 2023

- Made various UI/UX designs and resources for an Audit Management System dashboard, also created logo designs and promotional video outputs.

### Lakbayin Inc. – (Province Promotion Website) | 2022

- Research Analyst, Documentation, and Front-end Designer for a Promotional website that highlights different provinces from Luzon.

### Upper Playground – (Video Game) | 2022

- Lead Developer, Designer and Voice Actor for a short visual novel-point and click game that showcases a cybersecurity concept story.

### Awake – (Short Film) | 2023

- Lead Director and Film Editor for a non-profit short film regarding a story on mental health and global issues.

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## ACCREDITATION / SCHOLARSHIP

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|------------------------------------------------|---------------|
| ▪ DOST-SEI (RA 7687) Undergraduate Scholarship | 2020 - 2024   |
| ▪ CISCO (CCNA): Introduction to Networks       | March 2023    |
| ▪ TESDA NCII Animation and Design              | December 2019 |

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## EDUCATION

### Bachelor of Science in Computer Engineering (major in System Development)

Graduated: October 2024

Polytechnic University of the Philippines - Manila

**Coursework:** Data Analysis, Embedded Systems, Fundamentals of Electrical Circuits/Electronics, Game Development, Mobile and Web Development, Programming and OOP, System Administration and Development.

### Achievements/Responsibilities:

- **Leadership Nominee “Tanglaw ng Iskolar” Award:** College of Engineering Honors’ Society, A.Y. 2024
- **Subordinate of the Vice President for Research and Development:** ACCESS, A.Y 2023-2024
- **Podcast Host:** ACCESS TV, A.Y. 2024
- **Junior Officer for Academics Committee:** ACCESS, A.Y. 2023-2024
- **Junior Officer for Technical Committee:** ACCESS, A.Y. 2023-2024
- **Technical Committee:** PUP Association of DOST Scholars (PUP-ADS), A.Y. 2022-2023
- **Radio Broadcaster:** THE NUCLEUS. Regional Schools Press Conference, A.Y. 2020
- **TV Broadcaster:** THE NUCLEUS. Regional Schools Press Conference, A.Y. 2019