

MELVIN C. BONDE

COMPUTER ENGINEERING

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CAREER OBJECTIVE

To establish a career in engineering where I can demonstrate and apply my acquired skills and knowledge to contribute to the organization's development, achieve its objectives, and foster innovation.

EDUCATION

- **Laguna State Polytechnic University – Santa Cruz Campus**
Bachelor of Science in Computer Engineering
2020 – 2024
- **Harvard University – Cambridge Massachusetts (edX)**
 - CS50x: Introduction to Computer Science
Completed: March 2024 – [\[View Certification\]](#)
 - CS50W: Web Programming with Python and JavaScript
Completed: November 2024 – [\[View Certification\]](#)

THESIS / PERSONAL PROJECTS

MCU - Based Rice Vermicelli Noodle Processing Machine

A design project utilizing an MCU system to automate rice vermicelli noodle production, developing control systems for dispensing, mixing, extruding, cutting, and drying to reduce manual labor.

Mind Palace

A digital platform that helps users visualize, organize, and retain information by creating virtual memory spaces and using spatial mnemonics for efficient recall across various use cases.

Sales Tracker

A web application for managing sales and profits in small to medium stores by tracking daily transactions, monitoring inventory, and visualizing performance data through charts.

E - Commerce Auction Platform

An auction platform for buying and selling items featuring active listings, categorized navigation, bid tracking, user comments, user watchlists, and ability to set listings as ongoing or closed.

Emailing System

A single-page email client integrated with APIs for sending, receiving, replying to, and archiving emails, featuring a clean interface for streamlined communication management.

Social Networking Platform

A platform resembling X (formerly Twitter) that supports posting text-based content, following users, liking posts, and seamless navigation with pagination for efficient user experience.

WORK EXPERIENCE

Application Development Intern | Creotec Philippines, Inc. | 03/14/2024 – 05/16/2024

Job Details: The internship focused on developing a mobile app to streamline scoring for Drone Soccer referees. Key responsibilities included creating database retrieval files, collaborating with the team and supervisor to test and troubleshoot software issues, and gaining hands-on experience with Unity, C#, and phpMyAdmin.

KNOWLEDGE, SKILLS, AND ATTITUDE

As a recent graduate of Computer Engineering from LSPU – SCC, I have developed a strong foundation in both technical and soft skills essential for the computing profession. Through hands-on projects and a commitment to outcomes-based education, I have acquired and can demonstrate knowledge in the following areas:

- Programming Languages (JavaScript, Python, C#)
- Web Development (HTML, CSS, Bootstrap, Tailwind, Django, Git, React.js, Node.js, Express.js)
- Database Management (MySQL, SQLite, MySQL Workbench)
- Embedded Systems (Arduino, Raspberry Pi)
- Microsoft Office (Word, Excel, PowerPoint)
- Approachability, Adaptability, and a Positive Attitude
- Effective Problem-Solving and Time Management Skills
- Strong Ability to Learn Quickly and Manage Multiple Tasks
- Collaboration and Communication in Team Environments
- Eagerness to Grow Through Feedback and Constructive Criticism