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 (Online Course)**
  CS50x: Introduction to Computer Science – *[View Certification]*
  CS50's Web Programming with Python and JavaScript – In Progress

THESIS / PERSONAL PROJECTS

MCU - Based Rice Vermicelli Noodle Processing Machine
A design project using an MCU system to automate the rice vermicelli noodle production process by developing a control system for dispensing, mixing, extruding, cutting, and drying, reducing manual labor.

E - Commerce Auction Platform
An auction platform for buying and selling items, with active listings, categories, real-time bidding, user comments, and a watchlist, enhancing user experience through organized navigation.

Emailing System
A single-page email client with API integration for sending, receiving, replying to, and archiving emails, offering a clean interface and streamlined functionality for managing communication.

Social Networking Platform
A platform similar to X (formerly Twitter) that enables posting text-based content, following users, and liking posts, with pagination for smooth loading and efficient navigation.

Sales Tracker
A web application that manages and monitors sales and profits for small to medium stores by recording daily sales, tracking inventory, and visualizing data through charts.

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
- Understand Professional, Ethical, and Social Responsibilities