Siegfred Lorelle Mina

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EDUCATION

Polytechnic University of the Philippines – Manila   *Expected Graduation: July 2025*
Bachelor of Science in Computer Engineering, GWA: 1.16
Coursework: Data Structures & Algorithms, Object-oriented Programming, Software Design, Mobile Development, Game, Development, Engineering Data Analysis, Programming Logic and Design, Discrete Mathematics

EXPERIENCE

Front End Developer Intern   *Jul 2023 – Aug 2023*
Polytechnic University of the Philippines – Manila
- Collaborated with a cross-functional team to develop an accreditation website from scratch
- Developed and implemented UI components and several sections of the pages
- Improved UX by analyzing user/client feedback and implementing a responsive design
- Spearheaded the deployment to a domain via cPanel and integrated repository for future updates

PROJECTS   *(links may take a while to load due to free hosting services limitations)*

Rubiks Solver Mobile App | GitHub   *Cordova, JavaScript, ThreeJS, HTML, CSS*
- Used Apache Cordova to wrap HTML, CSS, and JavaScript into an Android App
- Utilized ThreeJS to render a rotatable 3D Rubiks Cube to create a more intuitive interface
- Wrote color-assigning feature and cube-solving algorithms via client-side scripting

2D Endless Runner Game | Game   *C#, Unity*
- Developed a 2D endless runner game using Unity Game Engine (C#)
- Prioritized game experience by implementing game mechanics such as random powerups, dash, throw abilities, and randomized spawn rate that varies based on the current score

Project Compilation Website | Website   *Python, Flask, SQLite, JavaScript, Bootstrap*
- Developed a full-stack responsive website with an account authentication system
- Sample compiled projects are Scrabble scorer, voting simulation, image filtering, readability test, etc.

Vending Machine Desktop App | GitHub   *Python, Tkinter*
- Developed a GUI-based app using Tkinter that allows users to buy products
- Implemented an admin menu to update the cost of products and the current balance

Karaoke Website | Website   *HTML, CSS, JavaScript*
- Developed a responsive website with scrollable lyrics that synch with the audio playing
- Added keyboard shortcut mappings for controls such as play, pause, and restart for better accessibility

Transcript Generation System | GitHub   *Python*
- Developed a CLI-based program that reads student information in CSV and generates transcripts of a student based on given parameters (major subjects only, minor subject only, or both) into text files

SKILLS

Languages: Python, JavaScript, C#, SQL, C, R
Others: Git, Unix, HTML, CSS, Flask, Unity, Cordova, Bootstrap, ReactJS, ThreeJS

AWARDS, CERTIFICATES, & COURSES   *(Verify Certificates Here)*
Awards: Top 5 in 1st Year in College of Engineering, Top 2 in 1st Year in Computer Engineering (Cert)
Courses: Harvard's CS50x (Cert), The Odin Project, Create With Code (Unity Course), Google's Intro to DSA