

# Jean Francois Thomas Berin

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## TECHNICAL SKILLS

**Languages:** HTML, CSS, JavaScript, Python, C++  
**Developer Tools:** Git, GitHub, Linux, VS Code, Figma  
**Other Technical Skills:** API, JSON, SEO

## EXPERIENCE

**Undergraduate Student Researcher** July 2022 – July 2023  
*University of the Philippines Diliman* *Diliman, Quezon City*

- Led a multidisciplinary team to develop an IoT indoor air quality system using C++, Python, and Arduino IDE.
- Engineered a star topology network for efficient client-server communication via UDP protocol.
- Integrated real-time data transmission to a ThingsBoard dashboard for continuous environmental monitoring.
- Enhanced sustainability by reducing sensor node power consumption by 31.54% with light sleep mode in ESP32.

## PROJECTS

**Movie Website** | *HTML, CSS, JavaScript, API, Git, GitHub* August 2024 – August 2024

- Developed a dynamic movie website using HTML, CSS, and JavaScript, delivering an engaging user interface.
- Integrated a movie database API with JavaScript to fetch and display real-time movie data.
- <https://pilord1.github.io/Movie-Site>

**Dental Clinic Website** | *HTML, CSS, JavaScript, SEO, Tidio, Calendly, Git, GitHub* June 2024 – June 2024

- Built a tailored website by maintaining continuous client communication to integrate desired features.
- Optimized the website for SEO to enhance visibility and search engine rankings.
- Deployed Tidio chatbot to enable automated customer communication and support.
- Implemented Calendly for seamless appointment scheduling through clickable hyperlinks.
- <https://mberin.github.io/>

**Coffee Shop Website** | *HTML, CSS, JavaScript, JSON, Git, GitHub* October 2023 – June 2024

- Designed frontend components, including key pages and login, using HTML and CSS.
- Employed CSS media queries and JavaScript for exceptional mobile responsiveness.
- Crafted a robust "Add to Cart" feature with JavaScript and JSON to enhance e-commerce functionality.
- <https://pilord1.github.io/Coffee-Shop>

## EDUCATION

**University of the Philippines Diliman** Diliman, Quezon City  
*Bachelor of Science in Electronics Engineering* 2023

- **Honors:** Cum Laude
- **University Organization:** UP Engineering Radio Guild
- DOST-SEI Merit Scholarship Awardee

## CERTIFICATIONS

**Licensed Electronics Engineer and Electronics Technician** May 2024  
*Professional Regulation Commission*

**Software Engineering Job Simulation** October 2023  
*JPMorgan Chase & Co.*