ASIL ANDREI ACASIO

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SKILLS

Programming Languages: Python, C/C++, Javascript/Typescript, Flutter, Bash (Basics), SQL (Basics), Java (Basics),
Libraries/Frameworks: ReactJS, NextJs, NestJs/Express, Node, Tailwind, Numpy, Pandas, Firebase
Dev Ops: Google AppEngine, Google Cloud Storage, Google Cloud Run
Developer Tools: NX Monorepo, Git, Vim, VS Code, Arduino IDE, IntelliJ, Microsoft Office, Google Suite

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INTERNSHIPS

Software Development Intern   May 2024 - October 2024
Symph   *Cebu City (Remote)*
- Developed and implemented robust backend security measures with NestJs and delivered essential front-end features with NextJs/ReactJs, resulting in a fully functional production website ready for user testing
- Appointed as acting tech lead for the intern team, providing technical guidance and code reviews
- Contributed to one of Symph's internal products by fixing minor frontend bugs and improved search engine optimization

Digital Signal Processing Lab Intern   Jun 2019 - July 2019
Electrical and Electronics Engineering Institute   *UP Diliman, Quezon City*
- Assisted in collecting data from various signal sources such as audio from Philippine native instruments and human vital signs sensor data
- Exposed to basic machine learning for signal classification using MATLAB and Python

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EDUCATION

Bachelor of Science in Electronics Engineering   Aug 2021 - Present
University of the Philippines - Diliman   *Quezon City, Metro Manila*
- Related Coursework: Data Structures and Algorithms, Object-Oriented Programming (Python), Signals and Systems, Linear Algebra

Highschool Diploma   Aug 2015 - May 2021
Philippine Science High School - Central Visayas Campus   *Argao, Cebu*
- STEM Strand, Physics Core and Chemistry Elective, With High Honors

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PROJECTS

Personal Website | *NextJs, Tailwind, Framer Motion*   Oct 2024 - Present
- Recreated a portfolio website and improved the code to integrate my learned skills from my recent internship.

Automatic Smoke Observer | *Python, YOLO/Object Detection, Arduino*   Aug 2020 - May 2021
- Developed an internationally awarded innovation at the Malaysia Technology Expo 2021
- IoT device that can remotely monitor forest fires that leverages object detection and Arduino sensors
- Trained and customized the YOLOv5 model on 20,000 web-scraped images with instances of fire and smoke

Home Automation | *Python, Firebase, Flutter, Arduino, C++*   May 2021 - Aug 2021
- Developed and conceptualized a personal home automation system that tracks usage statistics
- Designed and coded frontend web and mobile UI available, and coded backend processes for automation logic and Firebase database

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LEADERSHIP & ACTIVITIES

Co Director for Competitions and Opportunities   Sep 2024 - Present
UP Circuit   *UP Diliman, Quezon City*
- Sourced and tracked a diverse range of competitions, internships, and job opportunities from various platforms (LinkedIn, Facebook, campus bulletin boards)
- Maintained a comprehensive Google Sheet database to organize and track opportunities, deadlines, and application status
- Crafted and disseminated announcements on available competitions and opportunities to the organization