

Ermano Winata

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TECHNICAL SKILLS

Proficient Languages

Python
Java
Dart

Familiar Languages

C/C++
MySQL
JavaScript
HTML/CSS
Bash

Frameworks/Libraries

Flutter
Flask
BeautifulSoup/Selenium
Tensorflow
Firebase
Bootstrap
React.JS/Node.JS

Other Skills

OOP
Machine Learning
Algorithms
Data Structures
Unix/Linux

PROFESSIONAL EXPERIENCE

A GLOBAL VOICE FOR AUTISM

Remote Work

Mobile Application Developer – support for people with autism

March 2021 – Present

- Collaborated with a UI/UX designer in the development of a mobile application to provide video access to 50 videos and quizzes to strengthen educational foundations and cultivate independence for people with autism.
- Streamlined, programmed, and tested in-app navigation, search functionality, offline and online video access, login through SMS verification, and admin CRUD access.
- Implemented different locales for Arabic and English.
- Conducted bi-weekly sprint planning using Jira to manage development process.
- Stack: Flutter, Dart, Navigator 2.0, Firebase, Jira, Figma

ARUNA ID

Jakarta, Indonesia

Embedded Software Developer Intern – monitoring system for fishing boats

Jul 2018 – Aug 2018

- Programmed, simulated, assembled, and tested a Raspberry Pi monitoring system to collect data to increase the transparency for the distribution of fishing locations and also provide safety measures for individual fishing boats.
- Utilized Bash and Crontab to automate Python scripts for data collection within scheduled time intervals.
- Coded Python script to poll temperature, humidity, and location data, store data locally using SQLite3, and upload data to Firebase.
- Stack: Python, Bash, Linux, Crontab, Firebase, SQLite3

PROJECT EXPERIENCE

WEATHER APP | <https://github.com/ewinata/weather-app>

Collect, Display, and Forecast Weather within Web App

- Developed and programmed a Full-Stack web application using React.JS for front-end and Flask for back-end that displays live weather and forecasts future weather for 20,000 cities.
- Designed an algorithm that provides daily recommendations based on forecast data.
- Built a RESTful API using scraped data from <https://weather.com/>
- Stack: Flask, BeautifulSoup, Selenium, React.JS, HTML, CSS, Bootstrap, SQLite3

ZOMBIE DASH | <https://github.com/ewinata/ZombieDash>

Mini-game Development

- Applied Object Oriented Programming principles in C++ to implement the Model and Controller for a 2D Zombie-Hostage rescue mini-game with multiple levels.
- Feature tested code to adhere to design specifications.
- Utilized Visual Studio CRT Library in order to prevent memory leaks within classes.
- Stack: C++, irrKlang

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

B.S. in Mathematics of Computation

Graduation Date: Jun 2020

Cumulative GPA: 3.57

NORTH SEATTLE COMMUNITY COLLEGE

A.S. in Computer Science

Graduation Date: Jun 2018

Cumulative GPA: 3.93