

Irgio Ghazy Basrewan

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Education

THE UNIVERSITY OF MELBOURNE – Master of Engineering

Software Engineering Dec 2023

- Specialization in business and awarded Melbourne Graduate Scholarship
- Core skills in business aspects of software engineering such as requirements analysis, software development/management, strategy execution, and software testing

THE UNIVERSITY OF MELBOURNE – Bachelor of Science

Computer Software & Systems Dec 2021

- Core skills in concepts such as algorithms, data structures, software design patterns, data processing, database systems, AI, computer systems, and network protocols
- Weighted Average Mark (WAM): **88+ (H1)**

Experience

ORYGEN – Melbourne, Australia

IT/Web Support Intern Jun 2021 – Sep 2021

- Performed tasks on Orygen's Learning Management System powered by Moodle
- Primarily performed styling updates and implementation of multiple plugins
- Worked mainly with PHP, JavaScript, and Sass

PT SINERGI BESTAMA INDONESIA – Jakarta, Indonesia

Mobile Application Development Intern Dec 2020 – Feb 2021

- Collaborated with a team of 12 developers to build and optimize mobile applications for Android (in Java) and IOS (using Dart and Flutter)
- Supported senior developers in developing new features, such as in-application purchases, new software architectures, and optimized user interface elements
- Interfaced with multiple backends, including a PHP REST API and Firebase SDK

SHOPEE CODE LEAGUE - Jakarta, Indonesia

Programmer Aug 2020

- Solved data science problems using **Python**, including product detection, order brushing, sentiment analysis, and logistics calculation, achieving a top score in one
- Collaborated with a team of 4 programmers, adjusting personal collaboration and communication style to maximize productivity and develop high-ranking solutions

Projects *These projects (and more) are available open-source at <https://github.com/irgiob>*

RIPPLEDEX - Online Customer Relationship Manager (Undergraduate Final Project)

- Completed a fully-functional CRM with full functionality specified and approved by a client by leading a 5-person team through designing, prototyping, coding, testing, and deployment
- Technical Skills: Javascript, Frontend Frameworks, Backend API, Testing & CI/CD

TETRIS AI 9000 - Tetris Playing AI, Powered By a Genetic Algorithm (Personal Project)

- Developed an AI that successfully beat my personal high score in Tetris by selecting optimal piece placement using a genetic-algorithm-trained heuristic function
- Technical Skills: Python, Machine Learning, Libraries, Genetic Algorithm