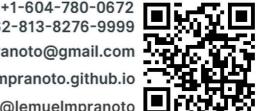
LEMUEL PRANOTO

+62-813-8276-9999







Computer Engineering Student

PROJECTS & EXPERIENCES

Server-Based Home Security System

1 03/2019 - 04/2019

- Integrated software with hardware through front and back-end servers.
- Employed multithreading and locks to ensure that the system is responsive and that features are running synchronously.
- Developed a fully dynamic website that receives and sends data between the server and the Pi through GET and POST requests.

DE-Booth

m 01/2020 - 03/2020

- An FPGA-based "photo booth" station with IoT capabilities.
- Developed a hardware-accelerated algorithm to enhance graphics processing that writes pixel values to pixel buffer.
- Successfully included features such as custom filtering, Twitter API usage, graphics acceleration, and custom data-transfer protocol.

Document Text Sentiment Analysis

mm 09/2018

- Developed an algorithm that parses document text and requests Microsoft Azure's service to calculate the document sentiment score.
- Incorporated Jensen-Shannon Divergence method to calculate document similarity.

Web Designer & Developer

PT. SuryaTITIA Makmur

- Designed and developed a fully responsive company website.
- Enhanced functionality and dynamism with JavaScript.

LEADERSHIP & VOLUNTEERING

Student Council Vice-President

Sekolah Pelita Harapan

1 08/2015 - 06/2016

- Represented the student body at school administration meetings and district events.
- Planned and organized school events and competitions.
- Worked with students in creating a better learning environment.

ACHIEVEMENTS & AWARDS



2x Outstanding Student Scholarship



4x Honorable Mention (GPA > 3.7)



Multiple School District Championships in Both Football and Basketball Competitions



EDUCATION

B. A.Sc | Computer Engineering **University of British Columbia**

SKILLS

Programming Languages



Assembly / Hardware **Description Languages**

System Verilog Verilog Arm x86

Notable Technologies / Tools



LANGUAGES

English

Bahasa Indonesia

PASSIONS

Programming

Sports

Photography & Film Making

Snowboarding

LIFE PRINCIPLES

Integrity, Perseverance, Gratitude