LEMUEL PRANOTO
Computer Engineering Student

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Allow me to introduce myself. My name is Lemuel and I'm a proud Indonesian grateful to be able to experience a diverse culture. I am inspired and aspired to utilize my young-adult energy to land my first co-op/internship term and contribute with the best of my ability. I can't wait to get started.

PROJECTS & EXPERIENCES

Server-Based Home Security System
📅 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
📅 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.
- Features include custom filtering, Twitter API usage, graphics acceleration, and custom data-transfer protocol.

Document Text Sentiment Analysis
📅 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
📍 Jakarta, Indonesia
- Designed and developed a fully responsive company website.
- Functionality enhanced with JavaScript.

LEADERSHIP & VOLUNTEERING

Student Council Vice-President
Sekolah Pelita Harapan
📅 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 at Columbia College
📅 02/2017, 02/2018 📍 Vancouver, Canada

4x Honorable Mention at Columbia College (GPA > 3.7)
📅 08/2016 - 04/2018 📍 Vancouver, Canada

Multiple School District Championships in Both Football and Basketball Competitions
📅 09/2012 - 05/2016 📍 Jakarta, Indonesia

EDUCATION

B. A.Sc | Computer Engineering
University of British Columbia
📅 2018 - Ongoing 📍 Vancouver, Canada

SKILLS

Programming Languages
Java Python C C++ R
JavaScript HTML CSS

Assembly / Hardware Description Languages
Verilog System Verilog Arm
x86 y86

Notable Technologies / Tools
DE1-SoC (FPGA) Arduino
Raspberry Pi Microsoft AZURE
Intel Quartus Altera ModelSim
GitHub LaTeX Debugging
Visual Studios Apache MongoDB
Node.js Adobe Suite (Ps Pr Ae Lr)

LANGUAGES

English

Bahasa Indonesia

PASSIONS

</> Programming

⚽ Sports

📷 Photography & Film Making

🏃 Snowboarding

LIFE PRINCIPLES

Integrity, Perseverance, Gratitude