



Lim Yun Kai

Software Engineer

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📍 Pulau Pinang, Malaysia

📄 Detailed CV
<https://limyunkai.com/cv/>

🌐 <https://github.com/limyunkai19>

👤 Key Strengths

- ✓ Fast Learner
- ✓ Solid Problem-Solving Skills
- ✓ Decision Making
- ✓ Self Confidence

💡 Core Competencies

- ✓ Algorithm and Programming
- ✓ Mathematics and Logic
- ✓ Desktop App Development
- ✓ Web Development
- ✓ Artificial Intelligence

🔧 Technical Skills

Desktop Application Development

C++, Qt Framework

Web Development

Javascript ES6, React, Node.js

Microservice Development

Go, Protocol Buffers

Machine Learning

Python, Jupyter Notebook, NumPy, Keras, PyTorch, scikit-learn

Image Processing

OpenCV, Python PIL, Intel IPP

Development Tools and Cloud

Git, CLI, Nginx, AWS, GCP



EXPERIENCE

Grab | Software Engineer, Backend

Jan 2021 - Present

👤 Microservice Developer

🔧 Go, AWS, Unix Platform

- Works on profanity text filtering functionality as part of a safety feature in Grab.
- Improves profanity text filtering algorithm by an order of magnitude to support filtering of longer text.
- Participates in development and deployment of machine learning model.
- Maintains and continuously monitors our service infrastructure.

Vitrox Corporation | R&D Engineer

Oct 2018 - Jan 2021

👤 Machine Vision Algorithm Researcher, Software Maintainer, UI Developer

🔧 C++, Cuda, Qt Framework, Intel IPP, PostgreSQL, Windows Platform

- Worked on Vitrox V310i Advanced 3D Paste Inspection Machine's Software and Algorithm Development.
- Developed machine vision algorithm that improved V310i machine overall performance and accuracy by more than 50%.
- Software maintainer, software architecture designer and code reviewer for V310i software.
- Participated in decision making for the specification of cameras and projectors to be used in customized machine.
- Optimized software's database to reduce the insertion and selection time by an order of magnitude.
- Established GitLab's merge request, release notes, CI/CD software development workflow to my team.
- Developed more than 5 GUI and core modules for V310i software.



EDUCATION

Bachelor of Computer Science (Hons)

May 2015 - May 2018

🏛️ Universiti Tunku Abdul Rahman (UTAR)

- CGPA of 3.9055, Graduated with Distinction (First-Class Honours)
- Jobstreet Best Graduate Award
- Trainer of ACM-ICPC Utar Kampar Team (2015-2018)



ACHIEVEMENT

International Awards

- Bronze Medal in International Olympiad in Informatics (IOI) Taiwan 2014
- Bronze Medal in Asian Pacific Mathematics Olympiad (APMO) 2013
- Silver Medal in TOKI (Indonesian Computing Olympiad) Open 2014
- Top Ranked Coder (Top 100) in IEEEExtreme Programming Competition 8.0 2014 (International 95th Place, National 1st Place)

National Awards

- 3 consecutive Champion in Malaysia National ACM-ICPC (2014, 2016, 2018)
- 2nd Place in University of Nottingham Ultimake Makerthon 2017
- Winner of Google Games Kuala Lumpur 2018
- 2nd Place in JobStreet.com Code Challenge 2015
- 3rd Place in F-Secure Intervarsity Cyber Security Competition 2017