



# Lim Yun Kai

Software Engineer

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📍 Air Itam, Penang, 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
- ✓ Windows App Development
- ✓ Web Development
- ✓ Artificial Intelligence

## 🔧 Technical Skills

### Windows Application Development

C++, Qt Framework

### Web Development

Javascript ES6, PHP, Bootstrap, jQuery, Django, Node.js

### Machine Learning and Deep Learning

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

### Image Processing

OpenCV, Python PIL, Intel IPP

### Development and Cloud Deployment

Git, Nginx, AWS, GCP



## 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)



## EXPERIENCE

### Vitrox Corporation | R&D Engineer

Oct 2018 - Present

👤 Software Maintainer, UI Module Developer, Algorithm Research

🔧 C++, Cuda, Qt Framework, Windows Platform, PostgreSQL, GitLab CI/CD

- Worked on Vitrox V310i Advanced 3D Paste Inspection Machine Software Development.
- Established GitLab's merge request, release notes, CI/CD software development workflow to my team.
- Software maintainer, software architecture designer and code reviewer for V310i software.
- Developed algorithm that improve V310i machine overall performance and accuracy by at least 50%.
- Optimized software's database to reduce the insertion and selection time by at least 50%.
- Developed at least 5 core GUI module and functionality to V310i software.



## 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



## PROJECTS

### Learn it Fast - Easy to Use Transfer Learning Library

🔧 Python, Pytorch, Deep Learning, AI, FYP Side Product

A python library that is able to ease the process of transfer learning from various base models such as AlexNet, VGG, ResNet, DenseNet and etc.

### Simple IoT - IoT Application with Web Interface

🔧 PHP, C, Arduino, Robotic, IoT, Proof of Concept

IoT application with the ability to monitor home temperature and control light switches remotely. Equipped with a web-based control panel.