

# John Van Pham

## Contact

### Phone

+64 22 192 5995

### Email

[john.vanpham696@gmail.com](mailto:john.vanpham696@gmail.com)

### Github

[github.com/JohPa8696](https://github.com/JohPa8696)

### Address

23A Lochinver Rd  
Papatoetoe, Auckland,  
2025

## Interests

Football

Playing piano

Coding competitions

Cooking

Reading

Gym

## Languages & VCS

### Day-to-Day comfort

Java, Vb.net, C#, SQL, Git

### Have experience with

Angular 4, Shell script,

Mathlab, C, Python,

HTML5, CSS3, Java Script

## Work Experience

Nov 2016 – Feb 2017

PB Technologies Ltd

New Zealand

### Software Developer Intern

- Improved and optimized an existing program to identify customer duplicate accounts. Reduced manual review time to one third of the previous version. VB.Net, MySQL.
- Designed an algorithm and implemented a software tool to automatically merge duplicate customer accounts in a distributed system. Achieved the most significant milestone and put the project months ahead of schedule. VB.Net, MySQL.
- Deployed an Electronic Shelf Labels system on local machine for further development.

## Education

2014 - 2018

The University of Auckland

New Zealand

### Bachelor of Engineering (with Honour) Specialized Software Engineering

- Course work:** Algorithms, Databases, Software Architecture, OOP, Quality Assurance, HCI, Computer Graphics, Software Design, AI, Software Theory, Managing project and innovation, Agile and Lean Development, Machine Learning and Datamining, Advanced Software Engineering.

2017

The University of Auckland

New Zealand

### Microsoft Student Accelerator

## Software projects

### Fall Detection System with Microsoft Kinect

- Designing and implementing a fall detection system using computer vision and machine learning algorithms to automatically detect elderly falls. System components: Microsoft Kinects, an Android App, Firebase and a fall detection module with SVM and Random Forest.C#, Java. **98% percision. Awarded best project in AI/Machine Learning category.**

### Video Conferencing Web App

- Provides instant message and video chat services with graceful degradation in low bandwidth settings. WebRTC, Html5, Css3, Java Script, AWS.

### Github Recruitment tool

- Worked with MYOB to develop a web application to help recruiters manage technical applicants. Angular 4, Nodejs, AWS, and Firebase.

### Implement an algorithm to solve a task Scheduling problem (NP hard)

- Implementation of ID A\* algorithm aimed to find the optimal solution for the task scheduling problem. Team of 5. Java. **First place in Parallel Speed.**

### ViDiVOX

- Video and audio manipulating tool with various features including sythesizing speech, overlay audio and video files. Java, Bash.

### ElasticSearch

- Contributing to ElasticSearch open source project on Github. Java, Gradle.