Thomas Pham
Resume

🏠 | 48 St James Ave, Springvale, 3171, Victoria
📞 | +61 432 925 783
✉ | phqtuyen@gmail.com
🖥 | https://github.com/phqtuyen

WORK EXPERIENCE

NOV 2017 - CURRENT (FT)

ClassCom
Software Engineer

Building a RocketChat-based platform to solve classroom communication problem.
Technological Stack: Python, Django, Swift, Javascript, NodeJS, MongdoDB, AWS, Azure Cloud, Google Cloud. Product Traction:

- The product is accepted into RMIT Activator, an Startup Incubator host by RMIT University.
- Lecturers use the product at RMIT and Victoria University.
- Working with RMIT School of Science.
- The product is being used at British University of Vietnam.

Responsibilities

- Developed and customized livechat functions.
- Developed mobile applications.
- Maintained, developed and improved RocketChat core and REST API.
- Developed integrated applications: Attendance Checker and Feedback system.
- Deployed and maintained the scalable system on Amazon Web Service, Azure Cloud and Google Cloud Platform.
- Designed and Developed the Continuous Integration and Deployment.

MAR 2017 – OCT 2017 (PT)

Melbourne Network Society Institute
Software Engineer Intern

Solving the problem of facial recognition in security system using various machine learning and signal processing techniques.
Technological Stack: MATLAB, Machine Learning, Signal Processing. Product Traction:

- The algorithm achieved above 90% accuracy for many famous dataset such as Extended Yale Database B, Ferret.

Responsibilities:

- Developed, maintained and test facial recognition algorithms which are robust in adversarial situations.
- Scaled the algorithms to perform in fast paced environment.

EDUCATION

MAR 2017 – DEC 2017

University of Melbourne
Master of Information Technology

Computer Science Projects:

- Designed a programming language which supports variables, conditionals, loops, arrays and functions, then implemented its compiler.
- Developed a scalable distributed chat application in Java.
- Implemented various parallel algorithms to speed up their performance.

MAR 2015 – DEC 2014

University of Melbourne
Master of Science

Mathematics and Statistics Projects:

- Developed and tested a mathematical model for cash-flows in insurance context.
- Implemented missing link prediction for large graphs.

MAR 2011 – DEC 2013

University of Melbourne
Bachelor of Science

Mathematics and Statistics Projects:

- Developed an web movie database.

TECHNICAL SKILLS

- High proficiency in Java, Python, NodeJS.
- Strong knowledge of Algorithms and Data Structures.
- High proficiency in database design and scalability of relational and non-relational database.
- Strong knowledge of mathematical and statistical analysis of data.
- High proficiency in Git toolchains.
- Strong practice of Agile software development life-cycle.