Tuan Dung Lai

tuandunglai@gmail.com • (+61) 413 727 184

EDUCATION

Swinburne University of Technology, Hawthorn, Melbourne, Australia

- Bachelor of Computer Science with Mathematics minor   Feb 2017 – Jun 2020
  - GPA: 3.6/4.0 (Transcript)
  - Leader of Swinburne team in competitive programming contest ACM/ICPC (Certificate)

SKILLS

- **AI**: Tweak, use, explore and deploy existing AI pipelines/ tools in NLP, computer vision in production. (Scikit-learn, Tensorflow, PyTorch)
- **Data Science**: Data cleaning, analyze textual and numerical data, visualize using different tools (Python)
- **Frontend**: React JS, Redux JS
- **Backend**: Python Django, Node JS
- **Cloud**: Google Cloud, AWS, AWS lambda, Serverless
- **Others**: Git, Docker, Jira, Slack, Confluence, wordpress core.
- **Mobile**: Java Android Studio

PERSONAL PROJECTS

- **IT Blog (Web)** (Link)   Feb 2017 – now
  - Analyzes machine learning algorithms from mathematical perspective then visualize and implement them from scratch in python

- **AI for Flappy-Bird Game (Python)** (Report) (Code)   Aug 2017 – Sep 2017
  - Develops a bot that can learn to Flappy-Bird Game over time
  - Uses Python, PyGame, Neural Network Model, Genetic Algorithm
- **Interactive data visualization (Web)** (Link)   Mar 2018 – May 2018
  - Creates web-based interactive visualization to explore large data set
  - Uses D3 javascript library

AWARDS & SCHOLARSHIPS

- **Highest achieving student in introduction to programming unit prize**   2018
  - Provider: Integrated Application Development Pty Ltd

- **Swinburne international excellence scholarship – 4 year undergraduate**   2016
  - Provider: Swinburne University of Technology, Melbourne, Australia

- **National key program of mathematics development scholarship in period 2010-2020**   2014
  - Provider: Minister of Education and Training (MOET) of Vietnam (Certificate)

EMPLOYMENT

- **Research Engineer - Applied Artificial Intelligent Institute, Deakin University**   Nov 2018 – now
  - Developing application with AI components, researching into different topic in AI.
- **Academic Tutor - Swinburne University of Technology**   Feb 2018 – now
  - Teaching: Introduction to Programming (Ruby, C, Pascal)
  - Teaching: Creating Web Application (HTML, CSS, Javascript, PHP, MySQL)
- **Research internship - Swinburne University of Technology**   Nov 2017 – Apr 2018
  - Develops cross-platform (web, desktop and mobile) application with voice-based user interaction.
  - 2nd Author for an accepted short paper for OzCHI'19 in Perth (Australia's leading forum for the latest in Human-Computer Interaction research and practice)
- **Web Developer - Dular.com.au, Australia**
  - Develops their e-commerce website using wordpress core engine.
- **Junior Developer - Hearables3D, Australia**
  - Develops a dashboard web application (front end, backend, cloud) for their users.

LINKS

- **Github**: github.com/DungLai
- **Linkedin**: linkedin.com/in/tuandunglai
- **Website**: dunglai.github.io

[*CV compiled on 2019-10-15*]