

Emma Phuong Ng.

GMAIL | LINKEDIN | GITHUB | TWITTER
San Francisco the Bay Area

SKILLS

DEEP LEARNING

- Convolutional Neural Networks
- Recurrent Neural Networks
- Auto-encoders
- Generative Adversarial Networks

APPLIED TOPICS

- Machine Translation
- Image Classification
- Object Recognition

MATHEMATICS

- Linear Algebra
- Statistics
- Probability Theory
- Applied Topology

PROGRAMMING

- Python: 10,000+ hrs

TECHNOLOGY

- Spark • Hadoop • Bazel
- AWS (EC2, S3, EMR)
- Azure • Keras/Tensorflow • Pytorch

ABILITIES

ANALYTICAL THINKING

DESIGN THINKING

CREATIVE THINKING

OTHERS

COMPETITION/ GRANT

Top 1% Submission
IA Healthcare Challenge
Fabre Laboratories, France

Won 10,000 CAD project grant
Healthcare Cooperathon
Montreal, Canada

Won 300K+ project grant
Healthcare, pioneer.app
Remote accelerator

HOBBIES

Travelling • Culture • Boardgames

SUMMARY

Experience in Data Science and Big Data in 5 years with 9 years in entrepreneurship with internation experience. Familiar with AI technology. Master of Math and Computer Science (2014). A world traveler. Open-source team player. Pythonista.

PROJECTS

IMAGINATION - COMPUTER VISION

August 2017 till Oct 2019 - Released an open-source code.

- Propose a method to learn representations of deep reinforcement framework.
- Work with PyTorch and multiple open-source packages with Anaconda.

EXPERIENCE

CEO, FOUNDER | XLAB/ BLUESKINX, INC.

Dec 2018 - Present | San Francisco Bay Area

- Ran, tested, validated spin-off of Artificial Intelligence Research (Computer Vision) in the the real world towards Healthcare and Climate Change.

INDEPENDENT RESEARCHER | ARTIFICIAL INTELLIGENCE

Aug 2015 - Dec 2018

- Research interest in Deep Generative and Computation Cognitive Models.

INSTRUCTOR | ARTIFICIAL INTELLIGENCE

Aug 2017 - Dec 2017 | Ho Chi Minh, Vietnam

- Collaborated with independent local labs to design, build and conduct a pilot class of 14 students for teaching basic knowledge and skill in Python.

DATA SCIENTIST | TENPOINT7

Oct 2016 - Aug 2017 | Ho Chi Minh, Vietnam

- Researched, proposed and developed applications for Natural Language Processing Pipeline as a part of company's product.

DATA SCIENCE FELLOW | GALVANIZE - A LEARNING COMMUNITY

Aug - Oct 2016 | San Francisco, USA

- A 13-week intensive program working on data technologies and machine learning with case studies including churn analysis and fraud detection.

RESEARCHER | SINGAPORE MANAGEMENT UNIVERSITY

April 2016 - Aug 2015 | Singapore

- Investigated a theoretical framework of privacy for database by doing mathematics and working on computer science information theory.

EDUCATION

NANO DEGREE | ARTIFICIAL INTELLIGENCE

1st Cohort, 2017 @ Udacity

MASTER OF SCIENCE | MATHS AND COMPUTER SCIENCE

2013-2014 @ University of Paris 13 | France

BACHELOR OF SCIENCE | MATHS AND COMPUTER SCIENCE

2009 - 2013 @ Vietnam Nat'l University | Vietnam

PUBLICATION

NEUROIMAGE | SPINDOCTOR: A MATLAB TOOLBOX FOR DIFFUSION MRI

SIMULATION

2019 | Co-author with affiliation of L' Ecole Polytechnique, France