Emma Phuong Ng.

Knowledge Seeker. Stormborn. Outlier.
GMAIL | LINKEDIN | GITHUB | TWITTER
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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: 6000+ hrs

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

ABILITIES

ANALYTICAL THINKING

DESIGN THINKING

CREATIVE THINKING

OTHERS

COMPETITION
Top 1% IA Healthcare Challenge
Fabre Laboratories, France

HOBBIES
Travelling • Culture • Boardgames

SUMMARY

Researcher in Deep Learning with experience in Data Science and Big Data in 3 years. Familiar with Apache Spark and Pytorch, Keras and Tensorflow. Master of Math and Computer Science (2014). A world traveler. Open-source contributor. Pythonista.

PROJECTS

IMAGINATION - COMPUTER VISION
August 2017 till Now - On progress.
  • Propose a method to learn representations of deep reinforcement framework.
  • Work with PyTorch and multiple open-source packages with Anaconda.

EXPERIENCE

INDEPENDENT RESEARCHER | Artificial Intelligence
Aug 2015 - Present
  • Research interest in Deep Generative and Computation Cognitive Models.

INSTRUCTOR | Artificial Intelligence
Aug 2017 - Dec 2017 | Ho Chi Minh, Vietnam
  • Collaborated with Med2Lab 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.

MANAGING DIRECTOR | Inspi Corp. - A social media start-up
July 2014 – April 2015 | Ho Chi Minh City, Vietnam
  • Managed and led 5 core members to create a viral product pioneering in the local market with around 3,000,000 views after 3 months.

RESEARCH INTERN | l'École Polytechnique
April 2014 – July 2014 | Palaiseau, France
  • Built a computational model to study biological structure of a neural network in brain gray matter by MATLAB and FORTRAN90.

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