Hang Yuan

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EDUCATION

University of Oxford
PhD in Health AI
funded by Li Kai Shing Foundation
Oct 2019 - present | Oxford, UK

École Polytechnique Fédérale de Lausanne (EPFL)
Master in Neuroscience
Aug 2017- June 2019 | Lausanne, Switzerland

Carnegie Mellon University
Exchange at the School of Computer Science
Fall 2016 | Pittsburgh, USA

Jacobs University
Bachelor in Computer Science
Aug 2014 - June 2017 | Bremen, Germany

SKILLS

Programming
Advanced
• Python • C/C++ • Git • PyTorch
Comfortable
• Wearables • Population Health • Tex • Java • Linux •

Languages
Chinese (fluent) • English (fluent)
German (basic) • French (basic)

EXTRACURRICULAR ACTIVITIES

Committee Member of Club Montagne, EPFL 2017 - 2018
• Maintaining the IT infrastructure for more than 1000 active members

Founder and President of Guiyang City Model United Nations 2012-2016

President of China UN-Model United Nations Beijing 2015

HOBBIES

Clarinet 10 years
• Bremer Orchester Gemeinschaft 2015

Tennis 10 years
• High School Tennis Varsity
• Most Inspirational Player (School wide) 2014

PROFESSIONAL EXPERIENCES

Centre for Doctoral Training for Health Data Science | Doctoral Student under Prof. Aiden Doherty & Prof. Simon Kyle
Oct 2019 - present | Oxford, The United Kingdom

- Conducting research using semi-supervised learning for wearable accelerometers on sleep to find out its casual links with cardiovascular diseases on Biobank-scale dataset.
- Did a placement with Prof. Andrew Zisserman and Dr. Timor Kadir to extract clinical information from fMRI reports using natural language processing.

Computer Vision Lab at EPFL | Master thesis student under Dr. Mathieu Salzmann & Prof. François Fleuret
Feb 2019 - Jul 2019 | Lausanne, Switzerland

- Developed a delayed adversarial attack framework for deep reinforcement learning using Python and PyTorch, allowing the attack and effects to occur at different times.

G-lab at EPFL | Research assistant under Prof. Gregoire Courtine
August 2017 - Jan 2019 | Lausanne, Switzerland

- Developed neuroprosthetics for spinal cord repair and locomotion using machine learning techniques such as supervised learning in Python and tensorflow.

Bloomberg L. P. | Software engineering intern
July 2018 - Sep 2018 | London, The United Kingdom

- Built a distributed trading simulation platform from scratch using Python, C++, and Kafka.
- Enabled the simulation for three asset classes, foreign exchange, cash, and credit default swap.

Max Planck Institute for Intelligent Systems | Research intern under Prof. Moritz Grosse-Wentrup
June 2017 - August 2017 | Tuebingen, Germany

- Extended brain-computer-interfaces transfer learning frameworks for motor rehabilitation in stroke patients to eliminate the need of collecting labeled data in Matlab.

PROJECTS

An Exploration in Facial Verification

- Implemented a facial verifier using hybrid ConvNet and joint-Bayesian on Labeled Faces dataset in the Wild to compare their performances on facial verification.

The Judge Bot

- A robotics semester-long course project which was written in C++ using ROS and OpenCV. The robot could self-navigate and search for objects of interests.

AWARDS

Finalist top 6/300+ (2%) and Artificial Intelligence Track Winner @ Hack Junction (the largest Hackathon in Europe)
Dec 2017 | Helsinki, Finland

Second Place 2/20+ (10%) @ OpenBank Hackathon
Jul 2016 | Google London Campus, The United Kingdom

Wiki Data Prize @ HPI Machine Learning and Data Analytics Hackathon
Jun 2016 | Berlin, Germany

Top 10/130+ (8%) @ Global Jacobs Startup Competition
Mar 2015 | Bremen, Germany

Jacobs University Entrance Scholarship 15000 Euros
Mar 2014 | Bremen, Germany