Hang Yuan

Portfolio: http://angerhang.github.io
hang.yuan@epfl.ch | +41 76 637 1030 | Avenue du Temple 3, Lausanne, Switzerland

EDUCATION

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)
Master in Neuroscience and Neuroengineering
minor in computational neuroscience
Aug 2017- June 2019 | Lausanne, Switzerland

CARNEGIE MELLON UNIVERSITY
Exchange at School of Computer Science
Fall 2016 | Pittsburgh, USA

JACOBS UNIVERSITY
Bachelor in Computer Science
Aug 2014 - June 2017 | Bremen, Germany

VALLEY CHRISTIAN HS
2012 - 2014 | Los Angeles, USA

SKILLS

PROGRAMMING
Advanced
Excel • Matlab • Java • C/C++ • R • LaTeX
Comfortable
Python • SML • Emacs • Spark • iOS

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

EXTRACURRICULAR ACTIVITIES

Committee Member of Club Montagne, EPFL 2017 - present
• organizing events and managing an outing club of more than 1000 active members

Founder and President of Guiyang City Model United Nations 2012-2016
• having more than 200 participants and 10 schools annually

President of General Assembly 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

TECHNICAL EXPERIENCES

G-lab at EPFL | Research assistant under prof. Grégoire Courtine
August 2017 - Present | Lausanne, Switzerland

- Developing neuroprosthetics frameworks for spinal cord repair.

Max Planck Institute for Intelligent Systems | Research intern under Dr. 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.

MINDS Research Group | Bachelor thesis student under prof. Herbert Jaeger
Sep 2016 - June 2017 | Bremen, Germany

- Developed a motor learning skill classifier using Echo State Neural Networks to explore the correlation between resting state EEG and motor learning skills.

KWARC Research Group | Research Assistant under prof. Michael Kohlhase
Dec 2014 - June 2016 | Bremen, Germany

- Developed Semantic TEX (sTeX) LaTeXML plugin to transfer sTEX to OMDoc in perl.

KPMG Data Observatory, Imperial College | Research Intern under Dr. David Birch
Jun 2016 – Aug 2016 | London, The United Kingdom

- Visualized London city data to the governors on a 64-screen panoramic observatory.
- Simulated large-scale 3D models in a distributed fashion using Unity.

Jacobs University | Teaching Assistant | Bremen, Germany

- Computability and Complexity 2017; Statistical Analysis with R 2016, 2017.

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.

bybit

- An iOS and Android App that uses Bitcoin micro-transaction, which enables one to sell data plan by a small amount. This is not possible via traditional payment method.

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

Prix Du Public @ Vaudoise Hackathon
Sep 2017 | Lausanne, Switzerland

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