



Work Experience

- Jun 2015–Now **Backend Engineer**, *Visual Meta GmbH*, Berlin, Germany.
- Conducting machine learning workshops for different departments and teams, shape and prototype automisation projects to achieve better efficiency throughout the company.
 - Successfully leading and Prototyping user segmentation using machine learning in CDP (Corporate Digital Platform) project from Axel Springer SE.
 - Researching and developing machine learning and image processing methods for feature extractions (text+image) in order to have robust product classification.
 - Automated optimization of product display by using image processing
 - Actively in touch with stakeholders and bringing up innovative ideas which help to automate processes, optimize work flow and increase the company's inventory.
- Apr 2014–Apr 2015 **Software Developer**, *Venue Map team, HERE Map Nokia*, Berlin, Germany.
- Implementing and improving backend features, designing and developing data validation algorithms to ensure the accuracy and quality of the result.
 - Initiating and prototyping of indoor positioning technology applied on Venue map.
- Jun–Sep 2013 **Intern-software developer**, *Venue Map team, HERE Map Nokia*, Berlin, Germany.
Working closely with designers, developing algorithms to have an expected Venue map behavior.
- Feb–Apr 2013 **Data Quality Assurance**, *Swiss Red Cross*, Geneva, Switzerland.
Validating and testing calendar data of Red Cross in all countries to ensure the synchronization
- Oct–Dec 2012 **Robotic Programming teacher**, *Futurekid*, Geneva Switzerland.
Teaching high school students programming concept and instructing them on real practice with Lego Mindstorm robot
- Mar–Jul 2011 **Intern-software developer**, *Dassault Systemes*, Paris, France.
Designing and developing a new software which simulate and manage product life cycle.

Awards

- July 2017 **Visual-Meta Hackathon 3rd Place**, *Visual Meta GmbH*, Berlin, Germany.
- A service that convert 2D images into 3D models. 3D models are in high demands due to the rise of AR and related domains. With this service, it would provide companies an opportunity to build 3D models without having expensive equipments.
- Mar 2017 **Music Cities Hackathon 2nd Place**, *Sound Diplomacy*, Berlin, Germany.
- Implement a platform called "City Streams" where street musicians, bars and clubs can live stream their videos during performance. By visualizing all stage locations on map, this project would increase visibility for artists and hopefully bring them to a glorious success.

- May 2016 **Visual-Meta Hackathon 3rd Place**, *Visual Meta GmbH*, Berlin, Germany.
- Build an recommendation app called "VM Styler" which will suggest full outfit given user's preference by using deep learning to extract image features based on different dressing-styles such as rock, formal or even specific celebrities.
- Jan 2016 **Visual-Meta Hackathon 3rd Place**, *Visual Meta GmbH*, Berlin, Germany.
- Build an app that uses our image search engine, this would allow user to take a picture (ex: a shoe) and find the items they want on shopping platform.
- Nov 2015 **Google Devfest Hackathon 3rd place Place**, *GDG (Google Developer Group)*, Berlin, Germany.
- With project name "Hotfixer", we build a visualisation tool which will indicate how many hotfixes engineers do in the company and also present the quality of the code fixes.
- June 2010 **Creativity Competition 2nd Place**, *Watt Leader International Company*, Taipei, Taiwan.
- Through user's mobile camera direction towards a real city paper map, they can see a virtual bus moving on the map based on real-time location. It is a project study of image processing, 3D graphic and augmented reality.
- May 2009 **Project study sponsor**, *Taiwan National Science Council*, Taipei, Taiwan.
- Develop a system which will allow user to interact with the paper map via augmented reality technology. It is a project study of image processing, 3D Graphic and Augmented Reality, C++.

Education

- 2018–NOW **Product Management**, *University of California, Irvine (Coursera)*, Germany, .
Initiating and Planning Projects, Budgeting and Scheduling Projects, Managing Project Risks and Changes, Project Management
- 2017–2018 **Deep learning specialization**, *deeplearning.ai(Coursera)*, Germany, .
Courses include Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects, Convolutional Neural Networks and Sequence Models
- 2011–2013 **Master degree in computer science**, *University of Geneva*, Switzerland, .
Major courses such as "Information Retrieval", "Machine Learning", "Cybernetic", "Pattern recognition", "Advanced Image Processing".
- 2010–2011 **Exchange Program in master study**, *Ecole d'ingénieur des technologies de l'information et de la communication*, Paris France, .
Major in information system.
- 2007–2010 **Bachelor degree in computer science**, *National Taipei University*, Taiwan, .

Project Study/Thesis

University of Geneva

Master Thesis *Follow me*

Cybernetic, image processing, pattern recognition, tracking. Program a humanoid robot following a person in real time based on only images

Course Study *Cybernetic*

Image processing, kinematics and camera calibration

Ecole d'ingénieur des technologies de l'information et de la communication

Course Study *Team Project*

Hibernate, java and business plan. Build a web based social network for artists to promote their music.

University of Taipei

Bachelor Thesis *Integrate interaction between Paper Map and Geospatial using Augmented Reality*

Image processing, augmented reality, C++ and 3D graphic. Develop a system which will allow user to interact with the paper map via augmented reality technology.

Languages

Chinese **Native**

English **Fluent**

French **B1-intermediate**

German **B1-intermediate**

Computer skills

Programming Java, Matlab, C/C++, SQL, Python, Virtool, basicXML, OpenVRML, React

Software Unity, Microsoft Visual Studio, Goldwave, Artoolkit, Photoshop

OS Windows, Linux

Extra curricular activities

Tech Community Leading and holding machine learning and AI workshops for facebook developer group circle and Redi school of digital integration.

Sport Representative of University (NTPU) Table Tennis Team, 5th place of National Intercollegiate Athletic Games in table tennis doubles race 2010. Active player in Berlin Friedrichstadt table tennis club

Choir Participated in school choir, 3rd place at International chorus contest held in Italy 2010