

Jui-Pin Liu (劉睿彬)

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Education

National Chiao-Tung University (交通大學)

June 2012 - June 2016

- B.S. in Computer Science
- Zi-Xin (資心) Project Scholarship
- Advised by [Ying-Ping Chen \(陳穎平\)](#)

Hsinchu, Taiwan

National Experimental High School at Hsinchu Science Park (新竹科學園區實驗高中)

June 2009 - June 2012

Hsinchu, Taiwan

Publications

Automatically Proving Mathematical Theorems with Evolutionary Algorithms and Proof Assistants

Yang, L.-A., **Liu, J.-P.***, Chen, C.-H., & Chen, Y.-p. (2016). Automatically Proving Mathematical Theorems with Evolutionary Algorithms and Proof Assistants.

In Proceedings of 2016 IEEE Congress on Evolutionary Computation (CEC 2016), part of 2016 IEEE World Congress on Computational Intelligence (IEEE WCCI 2016) (pp. 4421–4428). doi: [10.1109/CEC.2016.7744352](https://doi.org/10.1109/CEC.2016.7744352). ([arXiv:1602.07455](https://arxiv.org/abs/1602.07455)).

Work Experience

Foxconn Technology Group

Dec. 2017 –

Machine Learning Engineer

- Optimize optical inspection model for products with deep learning algorithms.
- Analyze industrial data to build prognostic health monitoring model.
- Support teaching programs by lecturing employees in the company.

Private Tutor

Sept. 2014 – Jan. 2015

Part-Time High School Mathematics Lecturer

- Teach a ninth-grader to improve his problem solving techniques in mathematic mainly in Permutation & Combination, Possibility and Statistics.

Teaching

Python Data Collection and Preprocessing (Python 資料收集與預處理)

Aug. 2018 -

Assistant Lecturer

Foxconn Industrial Internet

- Teach how to use NumPy, Pandas for data collection and preprocessing.

Image Recognition Practice Training (圖像辨識實戰研習)

Dec. 2018 -

Project Advisor

Foxconn Industrial Internet

- Instruct students to conduct after-class projects and help solve technical problems.

Python Data Visualization (Python 資料視覺化)

Dec. 2018 -

Assistant Lecturer

Foxconn Industrial Internet

- Teach how to use Matplotlib, Seaborn for data visualization.

Leadership Experience

Substitute Service Training Center, National Conscription Agency (役政署替代役訓練班)

Oct. 2016 - Sept. 2017

Division Leader (區隊長)

Taiwan

- Train recruits of substitute services and manage human resources in the recruit training unit at Chen-Kung Hill (成功嶺) Training Center.