Li-An Yang

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li-an.me

Education

Sep. 2012 – Jun. 2016	National Chiao Tung University, Bachelor of Science	Hsinchu, Taiwan

- Major: Computer Science (GPA: 3.49/4.30, Last 60 Units: 3.92/4.30)
- Relevant Courses (*graduate level courses):
  Data Mining*, Cloud Computing Systems and Applications*, Introduction to Database Design, Algorithms, Statistics, Probability, Data Structures, Linear Algebra, Technology Entrepreneurship

Feb. 2016 – Jun. 2016	University of Technology of Compiègne, Exchange Student	Compiègne, France

Publications

Li-An Yang, Jui-Pin Liu, Chao-Hong Chen, & Ying-Ping Chen. (2016). Automatically Proving Mathematical Theorems with Evolutionary Algorithms and Proof Assistants. In Proceedings of 2016 IEEE Congress on Evolutionary Computation (CEC 2016). (pp. 4421–4428). doi: 10.1109/CEC.2016.7744352. (EI). [Github]

Work Experience

Private, Military Police, Taiwan (compulsory military service)   Sep. 2016 – Jan. 2017

R&D Intern, Email Reputation Services Division, Trend Micro Inc.   Jul. 2016 – Aug. 2016
- Conducted data clustering and frequency analysis to simulate patterns of malicious mail attacks
- Developed a framework capable of identifying new paradigms out of originally unstructured data

Part Time English Translator, Study World International Study and Go Abroad Fairs   Apr. 2014 – Oct. 2014
- Built up communicative bridge between school representatives and fair participants

Selected Term Projects

Automatically Proving Mathematical Theorems with Evolutionary Algorithms and Proof Assistants [Link] [Github]
- Exploited proof assistant Coq with evolutionary algorithms to generate formal proofs automatically
- Proved ten theorems in different branches of mathematics automatically: Arithmetic, Logic, & Parity

A Voice-controlled Streaming Jukebox based on IBM Bluemix Cloud Service [Link]
- Established music streaming services on Raspberry Pi featuring personal music recommendation

Right Whale Recognition Competition on Kaggle [Link]
- Introduced deep learning frameworks to resolve the problem of image classification
- Adopted a bag-of-features model to extract distinctive image features

A Gitlab Continuous Integration Cloud Service [Link]
- Built a cloud service for version control that automatically ran builds and self-testing when a commit was pushed
- Launched multiple composite cloud applications via a yaml template on Openstack

Honors and Scholarships

Cloud Computing Credit Program Certificate, NCTU   Jun. 2016
- Approved the corresponding skills via completing the required Cloud Computing curriculum

Philéas Accueil Scholarships, Office of International Affairs, UTC   Mar. 2016
- Awarded to brilliant exchange students at UTC in France

Statement of Accomplishment, Coursera   Feb. 2015
- Completed *Machine Learning* from Professor Andrew Ng, Stanford University
- Completed *R Programming* from Professor Roger D. Peng, John Hopkins University

Skills & Test Scores

Programming Languages	C/C++, Python, MATLAB, R, HTML, Javascript, PHP, Verilog
Languages	English (fluent), Mandarin Chinese (native), French (basic)
TOEFL iBT	108/120 (Reading 30, Listening 28, Writing 27, Speaking 23)
GRE	Verbal (150/170), Quantitative (168/170), Analytical Writing (3.5/6.0)
Diploma in French Studies A2	76.5/100 (Reading 22, Listening 14, Writing 21, Speaking 19.5)