Chi-I Huang (Jason)

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Research Interests

- Educational Technology
- HDFS, Bid Data

Education

National Taiwan University *Sep. 2009 - Jul. 2013*
- B.S. in Computer Science & Information Engineering
- Overall GPA: 3.79/4.0, major GPA: 3.93/4.0

MOOC *Jan. 2015 - Jul. 2015*
- Introduction to Big Data with Apache Spark, BerkeleyX, final grade: 100%, June - July 2015
- Design and Development of Games for Learning, MITx, final grade: 92%, Apr - June 2015
- Mining Massive Datasets, Stanford University, 98.7% with Distinction
- Gamification, University of Pennsylvania, 95.8%
- Pattern Discovery in Data Mining, University of Illinois at Urbana-Champaign, 88.2%

Experience

Wavenet Tech Ltd., Taipei, Taiwan *02/2015 - present*
Full-stack Node.js backend engineer
- Real-time bidding platform 95% requests responed under 100ms with QPS 1000
- Chief Chief Chief

Republic of China Air Force, Taiwan *06/2013 - 05/2014*
Orderly, Mandatory Military Service
- Provided group commander with private administrative and clerical aid.

InfoKeyVault Tech, Taipei, Taiwan *07/2011 - 08/2011*
Programmer, Intern
- Proposed by Cryptography class instructor as an intern in InfoKeyVault Tech.
- Analyzed endurance of security USB tokens after executing encryptions and decryptions over 1,000,000+ times via Visual Studio
- Cooperated with electronic commerce company on a Java gift card system project

Selected Projects

Crazy Fruit Market *04/2015 - 06/2015*
Advanced Vocabulary Learning Game
- Course project on MITx: 11.127x Design and Development of Games for Learning

- Facilitate the learning process of ESL learners for advanced English vocabularies.

- Cross-platform game via Cocos2d-js.

- Build up a game development chain, from art design, educational material design to software engineering.

- Cocos2d-js, GIMP, HTML5

Face Annotation   *07/2012 - 06/2013*

undergraduate project

- Face Annotation is a no-conflict web-based tool for annotating 4,000+ facial data simultaneously.

- Provided significant data in Hao-Ting Changs masters thesis, Context-augmented profile face attributes detection.

- Developed online visual marking tool to mark face and eyes positions via JavaScript and HTML5.

- Created documentation website guiding users installation, configuration and customizing their own facial data annotating tool.

Eventy   *05/2012 - 12/2012*

startup

- Eventy was a social network service (SNS), which attracted nearly 200 users in 2 weeks.

- Activated Chinese indexing in search engine via Chinese segments algorithm within Coreseek.

- Achieved real time index update, which updates index in every 5 minutes.

Machine Learning Class Competition   *11/2012 - 01/2013*

team project

- Predicted with accuracy of 74.2% from $90,000$ 72-dimensional missing value data.

- Improved ranking from 46th to 37th by adapting new method to fill missing data via Amelia.

- Improved ranking from 37th to 30th by utilizing k-NN learning algorithm.

- Analyzed performance of several algorithms, such as LIBLINEAR, LIBSVM and k-NN.

PROGRAMMING SKILLS AND TOOLS

- Experienced: Node.js, MongoDB, C, Java, Python, JavaScript

- Languages: English (fluent), Japanese (basic), Chinese (native)

- Standardized Tests: GRE(V160, Q167, AWA3.5), TOEFL(107), TOEIC (885)