Hsu Chen-Chia

PERSONAL INFORMATION

Nationality: Taiwan

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EDUCATION

National Cheng Kung University (NCKU), TAINAN, TAIWAN Sep. 2015 – Feb. 2018
Master, Manufacturing Information and System (Concentration: Cloud Computing)

National Cheng Kung University (NCKU), TAINAN, TAIWAN Sep. 2011 – June 2015
Computer Science and Information Engineering

ACHIEVEMENTS AND SKILLS

LANGUAGE ABILITY:
◆ TOEIC score 800 (2016)

SKILLS:

◆ Coding Language:

Java	**(Familiar)**
Python, C#	(Advanced)
C/C++, Assembly, HTML, Javascript, JQuery, CSS, Asp.net MVC, Ajax	(Experience)

◆ OS manipulate: Linux(Ubuntu, CentOS, RedHat), MS Windows Server
◆ Database: MS SQL, MySQL, Hbase
◆ System deploy: Hadoop, MSSQL Datacenter, MS windows cluster, Web API & WSN for IoT application

PROJECT EXPERIENCE

NCKU CSIE Graduate Project
✓ Implement several improvement methods for Apriori Algorithm on Hadoop (Java code)
✓ Experience on monitoring system – Ganglia

Etu – Finals of Hadoop Competition
- ✓ Build and manage Hadoop cluster on fully-distributed mode
- ✓ Experience on Hive, HBase, Pig and Zookeeper
- ✓ Experience working in Linux-based OS

Manufacture Match Platform Web Site developed
- ✓ Experience on ASP.NET/ HTML / JQuery / Ajax/ CSS/ Javascript
- ✓ Build and manage MSSQL Datacenter on MS Windows

Android App---Social calendar
- ✓ Familiar with RESTful APIs to integrate Android applications with backend service (C#)
- ✓ Knowledge of Android Design Principle
- ✓ Android App Development (Java)

Supply and Demand Matching-Service for Machine Tool
- ✓ Implementation Analytic Hierarchy Process algorithm for Recommended system (C#)
- ✓ Experience on MSSQL Database table design and management
- ✓ Survey on Matrix factorization for user experience optimization

Recommendation System for Selecting the Most Efficient Milling Machine
- ✓ Implementation KNN algorithm with Eucildean distance (C#)
- ✓ Apply and Implementation of Analytic Hierarchy Process (C#)

Research of Production Efficiency Improvement with Personnel Positioning for Intelligent Factory
- ✓ Backend, Middle and Front tier development (Python, C#, ASP.NET MVC)
- ✓ Establish Back-End workflow (Sensor data > Database > Algorithm analysis > Output results > Front-End)
- ✓ Deploy WSN base on Ms Windows Server and Raspiberry pi
- ✓ Time-series data processing (C#)

Kaggle Competition – Who's Cooking
- ✓ Deep learning NN (keras)、Tokenizer (keras)、LabelEncoder (scikit learn) – Text data processing
- ✓ Ensemble(scikit learn) – RandomForestClassifier、XGboost、SVC

Kaggle Competition – Store Item Demand Forecasting
- ✓ Experience on LightGBM (microsoft lightgbm)
- ✓ Pandas – time-series data processing

Implementation on Barcode Ean13 Scanner (C#)
- ✓ Implementation convolution algorithm on image data
- ✓ Design kernel function for scanning Barcode Ean13
- ✓ Experience on processing image data with EmguCV

Monitoring Platform for Smart Farming
- ✓ Backend and Front tier development (C#, ASP.NET MVC)
- ✓ Sensor program on raspiberry pi (python)

TA of C# programming class

COMPETITION / INTERN EXPERIENCE

Team Member
- Etu Hadoop Competition (2013)

Intern
- Works Applications for only one week (2016/04)

Autobiography

My Chinese name is Cheng-Chia Hsu, born in Taiwan. I like to try new things, having the courage to take a challenge, and I have always enjoyed working with people.

During my college year, I realize that it was just the basic knowledge of programming. After scrutinizing my interests, past trainings and final ambition, I have decided to pursue masters in Computer Science, in my field of interest which is data analysis, web designs and computer network. Now, I receive my master's degree in National Cheng Kung University.

Pursuing my strong interest in Computer Science has over the years enabled me to develop keen analytical and reasoning skills. Data Science, Machine Learning were some of the other areas that captured my attention. I also involved myself in numerous projects and participated a computer competition, named Etu hadoop Competition.

Having a solid foundation in the field of computer science, I want to raise my understanding of the nuances of the Computer Science field and use this knowledge to further my capability and career. Such as:

1. Be flexible with computer science, mathematics and scientific knowledge
2. Build-up innovation, criticism and problem solving capability in computer science application
3. Analysis, Evaluation for IT and industrial, enterprise approach.

I think it is the time for me to improve and acquire knowledge of higher level. The well-qualified and experienced colleagues, excellent laboratory facilities, exceptional research work and product realization that company can inspiration and given to me an ideal platform for achieving my goals.

I would welcome the opportunity for an interview to discuss your organization need and performance you can expect from me. Thanks for your time and consideration, I look forward to hearing from you soon.