Hanyu Yang

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OBJECTIVE

I'm a graduate student looking for internship in Software Engineer or Data Engineer. I aspire to apply my knowledge into Internet of Things and Artificial Intelligence areas to pursue a smarter life.

EDUCATION

Carnegie Mellon University, Pittsburgh, PA & Silicon Valley, CA

Master of Science in Information Technology, Mobility, Expected May 2018, GPA 3.54

Course: Introduction to Computer Systems (15513), Web Application Development (15637), Information Security (14741), Telecommunications & Computer Networks (14740), Distributed Systems (15640), Computer Vision Apps (16423)

Singapore Management University, Singapore

Exchange, Information Systems, December 2015, Major GPA 3.9

Zhejiang University, Hangzhou, China

Bachelor of Engineering, Computer Science, July 2016, Major GPA 3.93

EXPERIENCE

Linux Programmer, Assist in programming tasks for Mellon College of Science (Python)

Carnegie Mellon University, Pittsburgh, PA, October - present 2016

- Used procmail recipes to filter emails of server logs and wrote real-time scripts to analyze anomaly

Research Student, Experimental Evaluation for Pivot-based Metric Index (C++)

Singapore Management University, Singapore & Zhejiang University, China, September 2015 - May 2016

- Implemented three index structures (LAESA, CPT, EP) for two metric similarity qeuries (Range, kNN)
- Improved query performance by replacing Pivots Selecting Algorithms for three index structures

Back-end Engineer (Intern), Cross-Border e-Commerce Web Application (Java)

Jiayun Data Science and Technology, Hangzhou, China, May - July 2015

- Developed back-end business logic and data access based on Spring and Hibernate framework
- Generated automated scripts for back-end request and response testing with Jmeter

PROJECT

Nano Blogging Site (Django)

Carnegie Mellon University, Fall 2016

- Built a Twitter like nanoblogging site Grumblr with Django MVC design, and features like ModelForm, Signals and AJAX updates.

Map Calendar Web Application (JavaScript)

Carnegie Mellon University, Fall 2016

- Undertook the map interactions and logic design for page synchronization of a Location-based calendar web app using Mapbox API.

Smartphone Software Development (Android)

Zhejiang University, Spring 2015

- Designed the Activities logic of a GPS-based real-time bus reminder App and undertook the real-time locating and destination detection part.

Dynamic Memory Allocator (C)

Carnegie Mellon University, Fall 2016

- Overwrote the system level Dynamic Storage Allocator, to allocate (malloc), reclaim (free), split, and coalesce memory space from heap.

Concurrent HTTP Web Proxy (C)

Carnegie Mellon University, Fall 2016

- Built a thread-based concurrent HTTP web proxy with a thread-safe LRU cache using readers-writer lock model.

Information Retrieval and Web Search (Java)

Zhejiang University, Fall 2014

- Developed the Crawler, Tokenizer, Stemmer, Indexer and Corrector part of a search engine built for Fox Sports NBA news and players.

SKILL

- Programming/Scripting Languages: Python, C/C++, Java, JavaScript, HTML, CSS, SQL
- Frameworks and Tools: Django, jQuery, pySpark, Git, Spring, Hibernate

COURSES

- Machine Learning, Data Science and Engineering with Apache Spark, Algorithms