

Yudi Zhou

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OBJECTIVE

A new graduate seeks full-time Software Engineer position, available immediately.

EDUCATION

Texas A&M University, College Station

Graduation in Dec 2014

M. Eng. in Computer Engineering, GPA: 3.69/4.00

Hong Kong Polytechnic University

B. Eng. in Electronic & Information Engineering

SKILLS

Technique: Java, C/C++, Python, SQL, Perl, Git, HTML/CSS, Django, MySQL, MPI.

Courses: Algorithm; Database; Operating System; Parallel Computing; Web Development; Machine Learning; Computer Architecture.

PROJECTS

Web Development, Information Retrieval

Oct 2014

A game recommender for Steam users using Django

gamesyoumiss.herokuapp.com/recom

- Built a web application to recommend games based on user and its friends' gaming information.
- Retrieved gaming info from users' Steam profile via Steam Web API.
- Implemented a recommender using Naïve Bayes in Python and trained it with gaming info.
- Designed and built a database to store users' profile retrieved from Steam using Postgres.
- Deployed on Heroku and handled long-time user request using background job.

Parallel Computing

Dec 2014

A Jacobian matrix solver using MPI techniques in Cpp

- Developed parallel computing on a serial Jacobian solver using MPI technique.
- Optimized an industrial reservoir simulator using this solver and achieved a speedup of 120.

Operating System

May 2014

An x86 operating system implementation in Cpp

- Designed essential functions and components of the OS in an object-oriented approach.
- Implemented functions of paging, virtual memory managing and thread scheduling.
- Designed a file system and wrote device driver for disk IO operations.

Database Design, JDBC

Dec 2013

A database application for graduate student management

- Designed and Developed database in MySQL and generated test patterns to verify its functions.
- Implemented a moderate Java front-end interface to allow clients to access the database.

WORK EXPERIENCE

TianJi Media Group, Yesky.com, China

Summer 2013

Software Engineer Intern

- Responsible for design a ranking algorithm for trending product.
- Built a prototype ranking application for digital products in Java.