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YUDI ZHOU

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College Station, TX 77840

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

Language: Java, C/C++, Python, SQL, Perl, Git, HTML/CSS.
Technique: Openmp, MPI, Django, MySQL, Linux, Eclipse.
Courses: Algorithm; Database; Operating System; Parallel Computing; Web Development;
          Machine Learning; Computer Architecture.

PROJECTS

Web Development, Information Retrieval   Aug - 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   Sep - Dec 2014
A Jacobian matrix solver using MPI techniques in Cpp
  • Developed parallel computing on a serial Jacobian solver based on MPI.
  • Partitioned the matrix and handled the data exchange during Jacobian iterations.

Operating System   Feb - May 2014
An x86 operating system implementation in Cpp
  • Designed and implemented frame allocation, paging and virtual memory management.
  • Implemented a scheduler for multi-threading, and handled interrupts correctly.
  • Designed a file system and wrote device driver for blocking IO operations.

Database Design, JDBC   Sep - Dec 2013
A database application for graduate student management
  • Designed ER diagram for the database and validated its BNCF.
  • Implemented database in MySQL and generated random data using Perl to test its functionality.
  • 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.
  • Integrated the ranking application into Yesky.com digital sub-site.