PEIXIN LI

www.peixinli.me
9176 Regents Rd. Apt.F, La Jolla, CA, 92037
+1 (858)-539-6472 ⋄ pel052@eng.ucsd.edu

OBJECTIVE

Seeking a full-time Software Engineer Position

EDUCATION

University of California, San Diego Sept. 2015 - Mar. 2017(expected)
MS in Computer Science **GPA: 3.43/4.00**

Peking University, Beijing, China Sept. 2011 - Jun. 2015
BS in Microelectronic **GPA: 3.4/4.00**

WORK EXPERIENCE

SOHU (Software Engineer Full-time Intern) Jun. 2016 - Sept. 2016
Sohu(www.sohu.com), one of the largest web portals in China

- Implemented an online search tool of marketing data for product managers to do analysis. Functions like exporting csv files, filtering by attributes, and data visualization are supported.
- Built a real-time data visualization dashboard website for SOHU KUAIZHAN. Statistical data such as number of online users, daily page views and unique visitors , etc was displayed via charts.

Center for Energy-efficient Computing and Application Dec. 2014- Jun. 2015

- Used Versatile Place and Route tool(VPR) to extract interconnection features from the netlist. Established a delay prediction model by using Logistic Regression Model.

PROJECTS

Distributed File System and RMI Implementation Apr. 2016 - Jun. 2016

- Built a distributed file system which consists of one naming server maintaining the file system directory tree and many storage servers keeping files seperately.
- Completed important mechanisms including thread safety, locking and replication and performed the conformance test in the Docker environment.

User-level Thread Package Implementation Feb. 2016 - Mar. 2016

- Used C to build a user-level thread simulator. Implemented basic functions, such as spawn, yield and schedule, to support active threads executing certain functions.

LLVM Optimization and Analysis for Compiler Sept. 2015 - Dec. 2015

- Designed and implemented a three-layer mechanism to analyze and optimize the program based on LLVM in C++
- Implemented constant propagation, available expresssion, range analysis and pointer analysis elimination.

PUBLICATION

[1]Xu, C., **Li, P.**, Luo, G., Shi, Y., Jiang, I. H. R. (2015, March). Analytical clustering score with application to post-placement multi-bit flip-flop merging. In Proceedings of the 2015 Symposium on International Symposium on Physical Design (pp. 93-100). ACM.

SKILLS

Languages

- C/C++ · JavaScript · HTML · CSS · Haskell · Matlab · Python · SQL · Verilog

Platform • Framework

- Git · Vim · Unix/Linux · Atom · jQuery · requireJS