

YILIN(ELAINE) GUO

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EDUCATION

University of Michigan

Expected Apr 2017

B.S.E. in Computer Science Engineering

Courses taken: Data Structures and Algorithms, Introduction to Computer Organization, Introduction to Operating Systems, Database Management Systems

Honors: Selected on the Dean's list, 2015 Fall

Shanghai Jiao Tong University, China

Expected Aug, 2017

B.S.E. in Electrical and Computer Engineering

Honors: Selected on the Dean's list, 2013 - 2014 academic year

PROJECTS

Log Manager

Dec 2015

Individual

Ann Arbor

- Enables users to perform timestamp, category, and keyword search interactively over the log file they provided
- Constructs an excerpt list for computation internally
- Search function implemented through hash tables

Cross-4 Chess Game

Sept 2015

Individual

Ann Arbor

- Enables two players to play cross-4 while chatting concurrently
- Socket programming with one server and two clients
- GUI implemented with Java *swing*
- Chatting function implemented with Java *thread*

E-Reader Prototype

Sept 2015

Individual

Ann Arbor

- Able to select books from the library, turn pages with page number displayed
- GUI implemented with Java *swing*

Mobile Sakai Android App

May 2014

Member in team of five

Shanghai

- Designed for students to browse resources, query assignments and exam grades
- Implemented an alarm function to alert due time
- Set up one Sakai 10 server via Tomcat
- Utilized the Sakai API for due time, appointment time, etc
- GUI implemented using Java via Android Studio

TECHNICAL STRENGTHS

Computer Languages

C++(proficient), Java(proficient), C(prior experience),
Python(prior experience)

Other Languages

SQL, HTML, R, Verilog, Matlab, L^AT_EX, Markdown

Operating systems

Windows, Linux (redhat, debian, and ubuntu)

Tools

Git, Vim, Valgrind, gdb