Target: Looking for full time software engineer position, available after graduation.
Please visit my homepage for most updated resume and detailed explanation about my projects.

YILIN(ELAINE) GUO

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EDUCATION

University of Michigan   *Expected Apr 2017*
B.S.E. in Computer Science Engineering
Courses taken/taking: data structures and algorithms, database, operating systems, machine learning, mobile app development
Honors: Dean's list, 2015 - 2016 academic year

Shanghai Jiao Tong University, China   *Expected Aug, 2017*
B.S.E. in Electrical and Computer Engineering
Honors: Dean's list, 2013 - 2014 academic year

WORK EXPERIENCE

Technical Intern   Aug 2016
Logic Solutions, Inc.   *Ann Arbor*

· Built an IOS app that allows users to browse movies and shows currently airing on their television provider
· Created a trivia game that lets users play while watching, with a badge-rewarding system
· Implemented reminder function to alert users when their favorite shows are about to air

PROJECTS

Mobile Sakai Android App   May 2014

· Designed for students to browse resources, query assignments and exam grades
· Requested the Sakai 10 API for due time, appointment time, etc
· Implemented reminder function to alert due time

Cross-4 Chess Game   Sept 2015

· Let two players to play by turns in separate windows until one player wins by getting four pieces consecutively in a row
· Socket programming with one server and two clients
· GUI implemented with Java *swing*

RESEARCH EXPERIENCE

Crossword Solving System   May 2016
University of Michigan, with Prof. Dragmir Radev   *Ann Arbor*

· Wrote a classification component with *sklearn*: vectorized the clues in terms of vocabulary in the database; trained the clue-answer pair with different models including nearest neighbors, convolutional neural networks, etc.
· Used python 2 to generate better output form (sorted by weighted score) from all the crossword solving components including lucene-cwg, lucene-otsys, etc.

TECHNICAL STRENGTHS

Computer Languages	C++(proficient), Java(proficient), Objective-C(proficient), C(prior experience), Python(prior experience)
Other Languages	SQL, HTML, CSS, Verilog, Matlab, LaTeX
Tools	Git, gdb, Valgrind, Vim