Naphat (Quinn) Lertratanakul

U.S. Citizen

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN December 2016
Bachelor of Science in Computer Engineering *GPA:* 3.82/4.00

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN December 2017
Master of Engineering in Computer Engineering

WORK EXPERIENCE

YAHOO! INC May 2016-Present
Software Engineering Intern

- Developing Python 2 and 3 compatible test tools for the Yahoo internal and open source versions of the Apache Traffic Server (ATS)
- Creating software to process data that is replayed through traffic server and generate a checksum to reduce storing duplicate requests and responses

QUALCOMM TECHNOLOGIES INC May 2015-Aug 2015
Software Engineering Intern

- Contributed to the Factory Test Mode features of the Software Automation Tools for the RF Software team (written in C)
- Optimized memory allocation and usage by utilizing an existing buffer defined by the firmware and assigning unused portions for each memory allocation request
- Performed measurements and calculations (TX Power, ACLR, EVM, VSWR) for the various technologies supported by the modem (CDMA, WCDMA, TD-SCDMA, GSM, LTE)

PROJECTS

NUSAnswers Mar 2016-Apr 2016

- Developed a Q&A website for current/incoming students and faculty at the National University of Singapore (NUS) to ask and answer questions related to classes and college life (using Javascript, PHP and MySQL)
- Worked on the frontend and backend of the question submission feature, which includes image upload, text and tags, and user verification with Google's Recaptcha

deLIGHTful June 2015
Qualcomm HackMobile Project

- Created an android application which displays the traffic flow of specified roads and/or freeways with AllJoyn's Wi-Fi controlled light bulbs
- Integrated the MapQuest Traffic API and the Google Maps API to give the application user flexibility in choosing traffic information on a specific road or freeway
- Modified the AllJoyn SDK to change color, hue, saturation and brightness depending on the traffic flow updated through the server from MapQuest

PROGRAMMING LANGUAGES

Comfortable with C/C++, Java, Python, HTML & CSS, JavaScript
Familiar with PHP & MySQL, Bash, x86, System Verilog

CAMPUS INVOLVEMENT

ECE STUDENT ADVANCEMENT COMMITTEE Aug 2014-Present
Public Image Committee and Senior Representative

AWARDS and HONORS

Mary E. Mohler International Study Grant (2016), GE's Women's Network Scholarship (2015-2016), Oakley Scholarship (2014-2015), Rockwell Automation Scholarship (2014-2015), Alwan Engineering Scholarship (2013-2014), Dean's List, James Scholar