Tianyi Wang

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OBJECTIVE

To seek for full time position in software engineering.

EDUCATION

University of Illinois at Urbana-Champaign   Urbana-Champaign, IL
5-Year B.S./M.S. program in Computer Science, August 2013   GPA: 3.70/4.00

Related coursework:

Discrete Mathematics	Data Structures
Applied Linear Algebra	Computer Architecture I and II
System Programming	Statistics and Probability
Operating System Design	Programming Studio
Theory of Computation	Individual Study – Android Application
Numerical Methods	Embedded Systems
Interactive Computer Graphics	Programming Languages and Compilers
Software Engineer I and II	Computer System Organization
Communication Networks	Fundamental Algorithms
Database Systems	Distributed Systems
Game Design	Introduction to Data Mining

Hoffman Estates High School   Hoffman Estates, IL
                                                                                                                            GPA: 3.78/4.00

PROJECT EXPERIENCE

GuessThatFriend (iPhone app)   Urbana-Champaign, IL
                                                                                                                   February 2012 – May 2012
- Developed an iPhone app that lets user see how well he/she knows about his/her friends
- Worked with Git, Xcode, Objective-C 2.0 and iPhone SDK 5.0
- Worked in a team of eight
- https://wiki.engr.illinois.edu/display/cs428sp12/GuessThatFriend

Eclipse Refactoring Plugin   Urbana-Champaign, IL
                                                                                                             October 2011 – December 2011
- Developed a refactoring plugin that converts a local variable into a method parameter
- Worked with Eclipse JDT APIs
- Worked in a team of four

Individual Study (Android app)   Urbana-Champaign, IL
                                                                                                        September 2010 – December 2010
- Create an Android application containing Java tutorial
- Worked with GWT and Android API to replace Applet demos

WZ Create (www.wzcreate.com)   Hoffman Estates, IL
Application Programmer   July 2009 – July 2010
- Program three iPhone applications: Afford It, Computing Assistant, and Elemental Symphony

- Worked with Xcode, Objective-C 2.0 and iPhone SDK 3.0

WORK EXPERIENCE

Google Inc.   Mountain View, CA
Software Engineer Intern   Summer 2012
- Kernel programming and user-space programming
- Worked on collecting metrics for flash device
- Learned C, C++, Python, Git, and Perforce

NVidia Corporation   Santa Clara, CA
Software Engineer Intern   Summer 2011
- Kernel programming
- Worked on improvement for NVidia Kepler GPU driver
- Learned C, C++, GDB, and Perforce

Cerner Corporation   Kansas City, MO
Software Engineer Intern   Summer 2010
- Worked with JUnit testing and test driven design
- Learned Java, Guice, SQL, JDBC, Maven, and Crucible

SKILLS

Computer Skills: C, C++, Objective-C, J2SE, MIPS, 80x86 assembly, Python, OCaml, OpenGL, Matlab, HTML, JavaScript, PHP, MySQL

Experienced with multi-threaded/multi-processes programming and network/distributed programming, MVC design and Test Driven Design, good understanding of Linux kernel and memory management, 3D graphics pipeline, iPhone application development, and Android application development.

Language Skills: Mandarin Chinese, English

HONORS AND ACTIVITIES

MechMania AI programming contest 2010, Third Place
Association for Computing Machinery -- Special Interest Group for Operating Systems