Jiwoong Youn

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Education

University of Illinois at Urbana-Champaign　　　　　　　　　　　　　　　　　**Urbana-Champaign, Illinois**
Bachelor of Science in Computer Science, GPA: 3.77　　　　　　　　　　　　　　　　　*August 2010 – May 2014*

Experience

Shmoop University, Inc.　　　　　　　　　　　　　　　　　　　　　　　　**Mountain View, California**
Software Engineer (contract)　　　　　　　　　　　　　　　　　　　　　　　*September 2014 – Present*
○ Developed dynamic web-based software which was ranked the top 250th website in the U.S. for internet traffic on LAMP (Linux, Apache Server, MySQL, and PHP) platform
○ Authored fast-rendering reusable components using the Model-View-Controller design pattern in PHP
○ Developed mainly internal content writing tool in object-oriented manner, enabling content writers to write engaging materials ready for production
○ Handled front-end data dynamically using JavaScript/AJAX and implemented fluid user interfaces using HTML/CSS

Abbott Laboratories　　　　　　　　　　　　　　　　　　　　　　　　　　**Champaign, Illinois**
Software Development Intern　　　　　　　　　　　　　　　　　　　　　　*January 2014 – August 2014*
○ Created and delivered data-driven reports using SQL Server Reporting Services in Business Intelligence Development Studio
○ Wrote underlying Transact-SQL query and parsed configuration XML data to retrieve detailed project schedule
○ Applied custom programming features in SSRS to build a dynamic report and polish the report format to make it more readable, user-friendly, flexible, and extensible

Information Trust Institute　　　　　　　　　　　　　　　　　　　　　**Urbana-Champaign, Illinois**
Programmer Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Summer 2013*
○ Corrected hierarchy and relationships in query concepts files and generated error-free versions of the files so that they match each other
○ Provided statistics for a massive data set (50GB files) by analyzing information such as the frequencies of documents having specific concepts annotated in their titles
○ Created a new data set after fixing the content of files in the original data set by using a complex combination of data structures and modifying annotated concepts based on the corrected concept hierarchy

Projects

Open Source Contribution (LibreOffice)　　　　　　　　　　　　　　　*December 2013 – February 2014*
○ Tweaked default settings and modified default labels of LibreOffice to handle feature enhancement requests reported by other users in Bugzilla for more convenient use
○ Learned about the development life cycle of large software, including thorough code reviews
○ Communicated with advanced developers via the developer mailing list and IRC web chat to learn better approaches to problem solving

Daily Good (Android)　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Fall 2013*
○ Developed an application in which users could cultivate an attitude of gratitude by allowing them to record the best part of everyday and view their histories obtained from the back-end server
○ Managed the connection between the front-end and back-end server by creating useful static functions for HTTP requests and JSON parsing, allowing other front-end developers to call the functions to get necessary information from the back-end server

League of Legends Web Application (http://pentakill.web.engr.illinois.edu/)　　　　　　　*Fall 2012*
○ Earned class distinction for finished product selected by TAs: "Hall of Fame"
○ The application provided information about champions, items, runes, and abilities from a famous PC game, *League of Legends* and more importantly, it provided an interface where users could try out their particular settings or builds on a champion
○ Parsed HTML codes using Java, managed application data using PHP and MySQL, and implemented filter system using JavaScript

Technical Skills

Programming Languages - Java, Python, C/C++　　　　　　**Platforms** - Android　　　　　　**Databases** - MySQL
Scripting and Markup Languages - PHP, JavaScript (jQuery and AJAX), HTML, CSS

Open Source Community Involvement

Atom(text editor developed by GitHub) and **CodeCombat**(multiplayer programming game for learning how to code)