

Jiwoong Youn

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Education

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Science, GPA: 3.77

Urbana-Champaign, Illinois
August 2010 – May 2014

Experience

Shmoop University, Inc.
Software Engineer (contract)

Mountain View, California
September 2014 – January 2015

- 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(jQuery) and implemented fluid user interfaces using HTML/CSS

Abbott Laboratories
Software Development Intern

Champaign, Illinois
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
Programmer Intern

Urbana-Champaign, Illinois
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 - TypeScript, JavaScript (jQuery and AJAX), Java, PHP, Python, C/C++

Other Languages - HTML, SCSS, CSS

Frameworks - AngularJS

Platforms - Android

Databases - MySQL

Open Source Community Involvement

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