

# Jiwoong Youn

450 N Mathilda Ave – Sunnyvale, California 94085

☎ +1 (253) 332 6171 • ✉ yjw9012@hotmail.com • 📄 yjw9012.github.io  
🌐 linkedin.com/in/yjw9012 • 🌐 github.com/yjw9012

## 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 – 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(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** - 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)