# KIMBERLY WIJAYA

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## Education

09/13- **Stanford University,** Stanford, CA
- Pursuing a B.S. in Computer Science, to be conferred 6/17 and M.S. in Computer Science, to be conferred 6/18
- Relevant Coursework: Natural Language Processing, Mining Massive Datasets, Information Retrieval and Web Search, Object-Oriented Systems Design, Design and Analysis of Algorithms, Introduction to Databases, Artificial Intelligence
- GPA: 3.76/4.0

## Projects

- **Quiz Website**: a web project that utilizes Java, SQL, HTML, CSS, JQuery, and JSP technology to create a website for users to create accounts, track progress, create quizzes, and take quizzes. Backed by a MySQL database.
- **Unified UI-UA Localization Service**: a web application that depends on Entity Framework and MVVM while using C# and SQL in the backend and JavaScript, JQuery, and CSS in the frontend, to serve as a project management system for both UI and UA Localization Projects.
- **Movie ChatBot**: a chatbot written in Python, able to conversationally interact with users in order to decipher movie preferences using a combination of Naïve Bayes, sentiment analysis, trigram models, and edit distance. From this data, it is able to recommend movies to watch
- **DiVE (Data in Virtual Environments)**: a C++ program that uses the HTC Vive and Unreal Engine to generate "Galleries" of data in real time, allowing users to simply provide an excel sheet in order to be able to manipulate, examine, and interact with their data in meaningful and immersive ways
- **Localization Portal**: a web application that serves as a centralized destination for translation memory management, software localization, and content localization. TM management depends on a C# REST API cloud-based service that allows for the manipulation of data in databases and translation memories.
- **Conquering the Cold:** a Python application that incorporates data from the CDC, NCDC, Google Trends, and Twitter into an ARIMAX Time Series model in order to predict future flu outbreaks by forecasting Influenza-like Illness percentages throughout the United States. This model performs at 94.37% accuracy with a mean absolute error of 0.1702 percentage points.

## Experience

06/16- **Software Engineering Intern**, Microsoft, Redmond, WA
- Built a REST API Cloud-based Service to facilitate Translation Memory Management
- Designed and implemented a web portal to unify software localization, content localization, and TM management
- Worked with ASP.NET Web API, Node.js, and Handlebars frameworks
- Explored new authentication and authorization techniques using AAD and API Management Portals

02/16-06/16 **Software Engineering Intern**, Stanford University School of Medicine, Stanford, CA
- Migrated a flexible assessment battery of parent and child questionnaires to a web application
- Created unique algorithms for questionnaires that produce clinically relevant symptom scores in real time
- Connected REDCap to a PHP system for data storage and real time relay of data

08/15- **Section Leader**, Stanford University, Stanford, CA
- Led a section of twelve students for an introductory CS course at Stanford
- Worked closely with lecturers and course advisors to plan sections and grade assignments

06/15-09/15 **Software Engineering Intern**, Microsoft, Redmond, WA
- Designed and implemented a system to act as a Unified UI-UA Localization service
- Worked closely with databases using SQL Server to integrate two independent systems
- Designed and implemented both the client side and server side features of the web application
- Worked with existing systems that used ASP.NET MVC/MVVM and Entity Framework

## Leadership

08/10-06/13 **Coordinator,** Cleft Care Indonesia**,** Surabaya, Indonesia
- Raised over 180,000,000 IDR in a single day for two years straight
- Acted as leader and primary communication liaison between the organization and community
- Organized an annual walk-a-thon that required approaching large companies for sponsorships

07/15-07/16 **Industry Mentorship Program Coordinator**, Women in Computer Science, Stanford, CA
- Organized a mentorship program geared towards increasing diversity in the computer science industry
- Paired up prospective and current computer science students at Stanford Unviersity with members of the industry, working in top companies in Silicon Valley
- Planned weekly events as well as community and career building opportunities
- Worked with the WiCS core team to facilitate a better atmosphere for women engineers at Stanford

**Additional Information and Skills:**
- *Programming Languages:* Java, C#, Python, C++, C, Javascript, SQL, HTML, CSS, JQuery
- *Languages:* Fluent in English, basic skills in French, limited working proficiency in Bahasa Indonesian