# Huang Xue
Undergraduate Student

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## Education

**University of Maryland, College Park**                                  Expected Graduation: Spring 2017

- B.S. Majoring in Computer Science with Minor in Business Analytics
- GPA: 3.7/4.0
- Dean's List (Fall 2013 - Current)

## Experience

**Google** *Software Engineering Intern*                                  2016

- Implemented Greedy RPC Prefetching in Google Adwords Next MCC client to decrease page load times and improve user experience.
- Deployed MCC Impression Logging in AW3 to research user behavior in order to develop a strong static prediction model used to perform RPC prefetching.
- Anlyzed large sets of user behavior using Dremel query language to examine user logs.
- Developed prefetching framework in Dart.

**Leidos** *Software Engineering Intern*                                  2015

- Full stack developer for web application that harnesses Amazon Web Service Cloud.
- Worked with HTML, Javascript, and CSS with AngularJS and Bootstrap frameworks to create highly modular front end adhering to MVC design pattern.
- Developed REST API endpoints for front end communication using Java servlets.

**Kelly & Associates Insurance Group** *Software Quality Assurance Intern*                                  2014

- Deployed automated web application regression testing using the Selenium testing framework.
- Integrated PhantomJS headless webkit into the testing stack to decrease test script runtimes by 50%.
- Maintained and updated automated Selenium testing scripts in concordance with web application updates.

## Side Projects

**CookU** *Android Application*                                  2015

- Designed and developed an Android application with two other students that allows users to search for cooking recipes based on ingredients.
- Utilized Food2Fork Recipe REST API to query recipe databases for recipes matching search criteria.
- Built with Java, SQLite, and XML.

**Business Website** *Website*                                  2015

- Designed and deployed a business website for family owned business.
- Full stack development using HTML, CSS, and Javascript with Bootstrap and JQuery frameworks.
- Hosted on LAMP stack instance on Google Cloud.

**LoLLookup** *Java Application*                                  2013

- Created Java application that querys a REST web service to display real-time game information of players in League of Legends.
- Utilized JSON parsing library to process web service responses.
- Worked with Java Swing framework to create the GUI.

## Tools & Technologies

**Languages:** Java, C, Javascript, HTML/XML, Ruby
**Frameworks:** Android, AngularJS, JQuery, VisJS, NodeJS, PhantomJS, Bootstrap
**IDEs:** Eclipse, Android Studio, Visual Studios
**Software:** Adobe Creative Suite(Photoshop, Dreamweaver, Premiere Pro)
**Misc. Skills:** Unix command line, Computer hardware installation

## Activities

**Google CodeU** *Summer Program*                                  2015

- Worked on a series of technical exercises focusing on data structures and algorithms under the guidance of a Google engineer mentor.
- Completed Udacity's Developing Android Apps course, and worked with two other participants to design and develop an android application.