

## ○ Education

School	Bachelors of Science	GPA	Graduation
San Jose State University	Computer Science	3.3 / 4.0	Dec, 2017

## ○ Work Experience

**Title:** Software Engineer Intern at Western Digital (San Jose)      **June, 2017 - August, 2017**

### **Project : Automate P-value calculation process and alert inspectors via email.**

- Build Web tool to check quality of components based on P-value.
- Parse Excel sheet data and stored in **MYSQL** database.
- Calculate P-value using One Way Anova Analysis.
- **PHP, MYSQL, HTML, Javascript** and **APACHE** web server for production.
- Box and Whisker Chart used for represent data (**Highchart, Fusion Chart**).
- Improve P-value calculation time from half hour manual process to few seconds.

## ○ Skills

**Languages:** C, C++, JAVA, MySQL, Python, JavaScript , PHP, Perl, HTML .

**Others:** Data Structure, Object Oriented Design, MVC Modeling, MySQL Database, DB2 Database, Android Development, Xcode, Unix, Linux, Git, Django.

## ○ Team-Based Class Projects

### **Student class registration system (Major Group project)**

- Full functional website for classes registration
- **Php, MySql, JavaScript, HTML, CSS** used for production
- Build **Pi Chart** to check progress.
- Feature – add, drop and search for classes.
- Additional feature – check prerequisite before sign up for classes.
- Hosted on amazon web instance (**AWS**).
- Project available at [https://github.com/moneysingh1991/student\\_registration-website](https://github.com/moneysingh1991/student_registration-website)

### **Personal Search engine (Group of 2 people)**

- Build text document based personal **Search Engine** (search with any keyword)
- **C++** as back end language
- Console based output application (Output in meaningful short paragraph)
- Implemented **Search** algorithm based on keyword frequency, popular documents, document frequency.
- Project available at [https://github.com/moneysingh1991/cs144FinalProject\\_git](https://github.com/moneysingh1991/cs144FinalProject_git)

### **Grocery shopping Website (Group Project)**

- Grocery delivery by drone.
- Live drone tracking using **Google Map API**.
- **Django, Python, MySQL, Javascript** used for development.
- Project available at <https://github.com/SaajanBariana/GroceryStoreDroneDelivery>

### **Android App (Individual Fun Project )**

- **Android** App for Buy/Sell Stuff
- Added multiple **Fragments** for run layout with Styles in Tabs
- Used **Google Map API** to show location on Map for get distance and time estimate to destination.
- Host through **Apache** and **Tomcat** Server from local computer
- **PHP** and **Java** Language used for handling server request
- **Linux** operating system used for run all server.
- Port Forwarding in router to forward **HTTP** request to Server
- Project available at <https://bitbucket.org/sikhma/mysql>