

# Edward Kim

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## READ ME

Quick-minded and experienced graduate skilled in Java, C, and C++ programming for Window and Linux platform with exposure to algorithm, android application development, database system as well as relevant high-level mathematic and CS concepts. Adept at identifying various scales of problem and patterns to provide optimal solutions with emphasis on time management, documentation, and communication. Goal-oriented team player who can work with myself and a team. A person who can reinforce myself from success and rare failure.

## EDUCATION

### University of California, Merced (GPA 3.21)

08/2015 - 05/2017

- Bachelor of Science, Computer Science and Engineering
- Notable Courses:
  - Computer Science:** Algorithm Design and Analysis, Database Implementation, Software Engineering, Computer Architecture, Objected-Oriented Programming, Computer Graphic
  - Mathematics:** Linear Algebra, Numerical Analysis, Statistics and Probability, Static and Dynamics

### Diablo Valley College (GPA 3.00)

06/2012 - 06/2015

- **Certificate in Computer Science** - Advanced Programming in C++, Computer Architecture

## EXPERIENCE

### Mobile Application Challenge

#### Plan One (Spring 2017)

- Led a team for the competition to create a mobile application in **Java** using **Android Studio** to promote and improve outdoor experience by disabling unnecessary apps and track locations using **Google Map API**.
- Using **Agile** method, collaborate with engineers and feedbacks of supervisions to improve the design of our model in a weekly basis
- Designed and implemented user-friendly UI, and document weekly progress to a group report using **SharePoint** and other communication tools.

#### Invent Story (Spring 2016)

- Cooperating with 3 peer engineers in **Waterfall** approach, fully designed an app to assist start-up company by incorporating management, organization, and communication highlighted by Fortune 500 companies
- **Research** the market of interest and similar apps to modify for additional features or eliminate faults
- **Manage** the team's meeting schedule, and discuss updates on our weekly status, needs, and results
- As a main programmer, implemented user-friendly UI and secured **SQLite** database using **Android Studio**

### Engineering Service Team

#### Project Protect (Fall 2015)

- Working with our business partner Healthy House, analyze and identify issues to provide effective treatment
- Following **Waterfall**, consult weekly with the team to manage **UML design** and needs of our clients
- Managed the team's website with updates and feedbacks of the project using **JavaScript**, **CSS**, and **HTML**
- Document changes on the website and status weekly and report to the team leader and supervisor

### Significant School Projects

- A semester-long project to implement a relational database system including metadata, interface, and relational algebra to execute user-input **SQL** written in **C** in **Linux** using **SQLite** engine
- Designed and programmed a simple 3-D racing game and FlappyBird-like 2-D game using **OpenGL** in **C++**
- Implement a code that simulates with MIPS instruction language with added cache system in **C**

## SKILLS

- |              |                |                 |              |
|--------------|----------------|-----------------|--------------|
| • C/C++/Java | • SQLite/SQL   | • HTML/CSS      | • MatLab/R   |
| • MS Suite   | • Linux/Window | • Fluent Korean | • Github/Git |