

# Peng Yan

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## EDUCATION

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**University of California San Diego**

B.S. Computer Science

Overall GPA: 3.81/4, Provost Honors

Exp: 2017 June

## RELEVANT SKILLS

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- **Languages** — Proficient with C, Java, JavaScript, node js.  
Experienced with C++, C# python, SPARC assembly, shell script
- **Software Tools** — Working experience with Mocha, Protractor, CSS, JQuery, Git, Sauce Lab, JIRA
- **Knowledge of RDMBS** — SQLite
- **Integration** — CI-CD pipeline
- **Programming Concepts** — Principles of Computer Operating Systems, Design and Analysis of Algorithms, Design Patterns, OOP, Advanced Data Structures, Computer Architecture

## EXPERIENCE

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**Technical Intern - Yahoo!, Sunnyvale**

**June 2016 – September 2016**

- Worked on front end automation functional test in Homepage team
- Reduced test suite runtime by 27% and improved build stability by 600% by converting the design pattern of the test suite for Yahoo Homepage, News, Sports, Finance to page object pattern using JavaScript.
- Integrated a light-weight image comparison npm package, into the test suite for Yahoo Homepage, News, Sports, Finance to enable UI layout testing which has never been done for homepage before; Utilized Mocha, Protractor, JQuery and CSS locators
- Implemented more functional tests for homepage applets, including main news canvas, trending news bar, homepage footer, and featured-news-editor canvas, to improve test coverage on Yahoo homepage; Utilized node js, Sauce Lab, JIRA and CI-CD pipeline

**CSE Tutor - UCSD Computer Science & Engineering Department**

**March 2015 – March 2016**

- Tutored for Java based computer science courses including Intro to OOP and Basic Data Structure

**Intern - Digital China Co**

**June 2013 – July 2013**

- Implemented a python program that organizes sales records documents
- Received mentorship from software engineers regarding the dynamics of IT industry

## PROJECTS

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**Digitize Nepal, Digital Medical Record System**

**March 2016 – June 2016**

- Implemented a medical records system for Nepal villages to store patient information that is accessible both online and offline using OpenMRS, an open-source medical record system
- Utilized SQLite to modify the database of patient records

**Homework Motivation Mobile App**

**September 2016 – December 2016**

- Developed a mobile application utilizing Unity that motivates children at Town & Country Learning Center to finish homework on time
- Designed the app structure that has eight themes (e.g. forest, candy world) with multiple stages in each theme. Finishing an assignment will earn them a point for jumping forward by one stage.
- Implemented jump function and animation using C# to make the app more interactive

**Telecom Company Project**

**January 2015 - March 2015**

- Designed and Implemented a web service using node js that provides telecom plans to clients and allowing clients to build/delete plans

## ADDITIONAL EXPERIENCE

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**Marshall College Honors Program, UCSD**

**March 2014 - current**

**International Orientation, UCSD, Volunteer**

**September 2014**