

Edward Lai

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US Citizen

Objective: To obtain an entry level position in area of software engineering.

Education

Master of Science in Computer Engineering (MSCE)

San Jose State University, San Jose, CA Dec 2014

Master of Science in Electrical Engineering (MSEE)

Columbia University, New York, NY Feb 2012

Bachelor of Science in Electrophysics

National Chiao Tung University, Hsinchu, Taiwan June 2008

Skills

Language: Java, HTML5, CSS, JavaScript, PHP, MySQL, Android

Operating system: Linux, Windows

Project Experience

Navigation App on Smartwatch (Fall 2014)

Technologies used: HTML5, JavaScript, Tizen, Android

- Implemented a navigation application runs on Samsung smartwatch. The application can retrieve a list of restaurants, show the map of the users' current location, and can retrieve and navigate to the selected nearby restaurant.
- Tile maps provided by Open Street Map API, list of restaurants provided by Yelp API, routing services provided by Google Directions.

Mobile Application: Compute My Grade (Fall 2014)

Technologies used: HTML5, JavaScript, jQuery mobile, PHP, MySQL, PhoneGap

- Developed an Android application in HTML5 with PhoneGap. The application functionalities include account create/login, add/delete class or student, grade calculation and grade configuration.
- All the data are stored in Yahoo web hosting MySQL database.

Photo Sharing Website (Spring 2014)

Technologies used: Java, PHP

- Built a web server backend which can store the uploaded pictures from Java client and send the pictures to other domains using CURL libraries.
- Built a Java client socket program that allows user to upload pictures to the web server backend, preview/download/delete the pictures stored in the website.

Client-Server File Replication Monitoring daemon (Spring 2014)

Technologies used: Java

- Developed a file replication daemon that can monitor text file activity in the client side and update any changes like creation, deletion and modification to the server through socket.
- Used XDeltaEncoder for creating and manipulating binary delta patches.