

# Qing Wang

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## 👤 OBJECTIVE

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To obtain an SDE/SDET position from an organization where I can bring my dedication, responsibility and passion and utilize my educational qualifications from NYU.

## 🎓 EDUCATION

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**New York University (NYU)**, New York Sept 2013 – May 2015

*Master of Science* in Electrical and Computer Engineering (ECE)

**BeijingJiaotong University**, Beijing, China Sept 2009 – July 2013

*Bachelor of Science* in Biomedical Engineering (BME)

## 👥 EXPERIENCE

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**AdminSys Inc.** New York June 2015 – Aug 2015

### Backend Development Intern

*Node.js/Express, MongoDB/Monk* PunchSystem Deveopment

Development of Web App used for employee attendance records tracking

- Designed the Modules to implement the CRUD of punch records and authority delegation.
- Optimized the performance of wage calculation by 70% by applying aggregation.
- Built the basic UI with Jade and Test the APIs with Mocha.js and Mock-Express.

## ⚙️ PROJECTS

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**MyPinterest Web Application Design (PHP/MySQL)** May 2015

Development of a social network application mostly used for photos sharing

- Designed the ER model and transfered it to relational model
- Created the backend by using MySQL as database and PHP as the Sever side scripting language.
- Build the UI with HTML/CSS and JavaScript to implement User Interactive.

**Lind-Fuse File System (Python, Ubuntu)** Nov 2014

Implemented a basic block file system by modifying a given file system model without blocks.

- Adjust/Add functions of System Calls for this new file system.
- Write a checker to check if the new file system works properly.

**Chatter Implementation(Java)** Nov 2014

Implemented a Java command line chatter program that enabled users to chat instantly.

- Wrote chatter client and chatter server programs in blocking and non-blocking versions.
- Used selector and channel from Java NIO package to solve concurrency issues.

**TIFF Format Image Processing (Java)** July 2014

Implemented Blurring, Edge Detection, and Run-length Encoding on TIFF format Images.

- Blurring the image by applying the 3×3 window average algorithm to each pixel.
- Using Sobel edge detection algorithm to compute the approximate gradient of the color intensities.
- Image compressed by converting a Run-length Encoding to the image.

## ⚙️ SKILLS

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- Programming/Scripting Languages: Java > JavaScript == Python > PHP
- Development: MySQL, MongoDB, jQuery/Ajax, MVC, REST, JSON
- Platform/Software: Linux, Eclipse, Git, Matlab