Qing Wang

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👤 OBJECTIVE

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

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

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 autority 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

MyPinterest Web Application Design (PHP/MySQL)   May 2015
Development of a social network application mostly used for photos shareing

- 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

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