Xiaoming Liu

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Objective

Seeking **internship** as **software engineer**

Qualification

be familiar with **front-end and back-end** and various **frameworks**.
Good **communication skills**. Easygoing and **Toastmasters** members at CC level.
Strong **multitasking** ability and work well under pressure. **Versatile** to wide ranges of projects.
3+ years of coding experience in **algorithm and project implementation** and review **20,000+** lines of codes .

Working Experience

Public Servant, technical support   *Oct 2010 - April 2018*
Minhang District, Shanghai, China

- Give **Front-End** support for the official website of Special Force Unit.
- Analyze the crime data in the area and give detailed report to leaders
- Responsible for the maintenance and upgrade of Inner Security System

Education

Master of Science (M.S.), Computer Engineering   *Aug 2018 - Dec 2020 (expected)*
San Jose State University, San Jose , CA   **GPA 3.57/4.0**
Bachelor of Science (B.S.), Finance Engineering   *Sep 2003 - July 2007*
University of Shanghai for Science and Technology, Shanghai, China

Selected Projects

Course Registration System for University Students (Angular,Spring, Java)   *May 2019 - July 2019*
- Designed and implemented a **single-page application** by using **Angular and Spring**.
- Designed **UI** and **UX** components. Provide students with GUI interface to register and delete courses.
- Provide profs and students with different **access authority**.Profs could submit new courses and update the content of courses.
- Design the application in **Restful** style, using **Mysql** to manage the Database.
- The system is adopted and used by **200+** students

Mail Image Notification and Identification (US Hackthon, Python)   *Feb 2019 - Mar 2019*
- Using the **Google cloud Platform** to build a mini mail notification system for client **USPS**.
- Built backend service with **Spring MVC** and adopted **MyBatis** to interact with **MySQL**
- Developed the web pages with **JSP, Bootstrap**, and **jQuery** and use **JSON** to interact with Backend Service
- Automatically filter the junk mail and inform the arrival of important mail based on **Twilio** .
- Filtered more than **70%** junk mails in the testing period

Face Detection and Recognition (Deep Learning, Xcode, OpenCV)   *Dec 2018 - Jan 2019*
- Developed with **dlib's** state-of-the-art face recognition by using **TensorFlow**.
- Detected faces in a photo using **CNN**.
- Recognized faces in live video using webcam.
- Had an accuracy of **99.38%**.

Human Age Prediction by Using Convolutional Neural Networks (Machine Learning, CNN, Python)   *July 2018 - Dec 2018*
- Collecting multidimensional data by recording the human face in real time.
- Implemented **CNN** and chose the best parameters (kernel, gamma, C) for training the dataset.
- Validated the function using the test data.
- Achieved **95%** correct recognition rate.

Skills

Programming Languages: Python, C++, Java, Javascript,Verilog, VHDL
Web: Spring MVC, MyBatis, Spring Boot, Angular, React, Django, Bootstrap, Git, MySQL, MongoDB, CSS,HTML
Cloud: Google Cloud Platform: Computer Engine, APP Engine, API, AWS: EC2, S3
Big Data & Machine Learning:TensorFlow,Keras,Spark,Sklearn

Related Coursework

Machine Learning	Data Structure & Algorithm	C/C++ Programming	Digital Design
Computer Architecture	System Software	Statistics	Data Mining
Operating Systems	Big data Analytics		

Extracurricular Activities

Software Camp *Sep 2017 - Oct 2017*
JiaoTong University, Shanghai, China
President of SH No.1 Toastmasters club *Jan 2017 - July 2017*
Shanghai, China