

# *Joanne (Yuanhan) Yang*

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## **SUMMARY**

Seeking a full-time software engineer/developer position.

Software Engineer with strong programming, analytical and mathematical skills. 3+ years' work experience in C/C++ development of industry level software systems and solutions. Hands on experience with MVC web application development, multithreading, software systems and high performance computing.

## **EDUCATION**

**Columbia University, Fu Foundation School of Engineering and Applied Science**

MS in Electrical Engineering, New York, NY, 2012 .08 – 2014 .02

**Dalian University of Technology, School of Electrical Engineering**

BS in Electrical Engineering , Dalian, Liaoning, China, 2008.08 – 2012 .06

## **TECHNICAL SKILLS**

Expert level C/C++ programmer. Proficient in Java, JavaScript, HTML & CSS.

Working experience with Spring Framework, Angular JS, Hibernate, MySQL, Eclipse, Android Studio, Git, SourceTree

## **PROFESSIONAL EXPERIENCE**

**Software Developer (C++, HTML, CSS, JavaScript)**

**Verifone Inc, San Jose, CA, 2016.02– Present**

- Develop an MVC based payment flow controller app on Verifone OS application frameworks.
- Implement various commerce platform apps tunneled with Verifone Cloud using HTTP Proxy components.
- Cooperate with Verifone OS and framework teams to deliver benchmarking tools for next generation Verifone products.
- Project owner of multiple Verifone OS framework applications including core communication and power management.
- Participate in CI automation framework development for monitoring Jenkins RSS feed on new releases, managing artifacts, user stories and report notifications.

**Software Engineer (C++)**

**Neonode Inc, San Jose, CA, 2014.10 – 2016.02**

- Maintain and improve touch sensing and advanced gesture recognition software for Neonode multi-touch technologies including first generation zForce Core and next generation zForce Air.
- Participate in development of a software suite combining auto-configuration, source code generation, multi-technology support and integration workbench.
- Conduct research for sensing device communication with Raspberry Pi emulated host devices.

## **PROJECTS**

**Photo Sharing Web App**

Design and implement a photo sharing web application. Users can register and login to upload and share photos.

- Front end using Angular 2 to build navigation bar, side panel, photo list and other view components.
- Use Spring Boot to implement backend RESTful APIs to access photo, comment and user resources.
- Implement services and DAO to MySQL database powered by Spring Data.
- Handle user authentication with JSON Web Token (JWT) and Spring Security.

**Online Bookstore**

Design and develop an online bookstore application which allow administrator to manage books and users to view and purchase books.

- Build admin portal and bookstore front using Angular CLI tool and Angular Material components.
- Use Spring Security and JWT to authenticate user registration and login, with automatic email confirmation.
- Backend RESTful services powered by Spring Boot, Hibernate and MySQL database.