***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++ object oriented development of industry level software systems and solutions. Hands on experience with MVC web application development, multithreading, software systems and high performance computing. Efficient communicator and team player.

**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 in C/C++ programming. Proficient in Java, JavaScript, HTML & CSS, XML, SQL.

Working experience with GNU Toolchain, Linux, Spring Framework, Angular JS, Hibernate, MySQL, Eclipse, Android Studio, Git, SourceTree, Atlassian Confluence/Jira/Stash.

**PROFESSIONAL EXPERIENCE**

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

**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 Neonode Platform, 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 Data, Hibernate, Redis and MySQL database.