

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.