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WENXIAO (SHAWN) DUAN

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QUALIFICATIONS

- Have one-year fulltime experience on Android development, and half-year experience on .NET and REST.
- Master graduate from Penn State University, with academic background in Machine Learning and Image Processing.

EXPERIENCE

Software Engineer – Android

Lyve Minds. (Acquired by Seagate Technology), Cupertino, CA — 04/2015 - Present

- Developing the cloud-based Android photo app, helping user to organize, browse and share photos.
- Building UI features like: photo color searching, map-based browsing, collage view with cross-fading image switcher, tagging, RecyclerView fast scroller, image-cropping based on face/object detection, etc.
- Using Retrofit as HTTP client, Realm as local database, Fresco for image management, and RxJava for composing asynchronous and event-based programs.
- Testing the server-side APIs, communicating with server team on the API design and performance.

Software Engineer

TANJARINE INC. Mountain View, CA (http://www.tanjarine.com) — 12/2014 – 04/2015

- Implemented IIS .Net web service that is used to expose POS functionality to Tanjarine system using RESTful API and JSON data
- Built a Java abstract layer component in venue PC to communicate with POS middleware
- Implemented credit card encryption mechanism to encrypt/decrypt credit card information
- Worked with third-party integrators and offshore engineering teams to integrate our devices with POS system
- Set up testing environment on virtual machine and wrote instructions for QA team

Software Developer Intern

HAIKE NETWORKS, INC. San Jose, CA (http://www.haike100.com) — 07/2014 – 10/2014

- Worked on the back-end of an O2O (Online To Offline) educational service platform

Research Assistant

ROBUST MACHINE INTELLIGENCE AND CONTROL LAB, University Park, PA — 2013 – 2014

- Created a maximum-entropy probability-learning model on disease risk and survival chance
- Redesigned the algorithm to extend the idea from categorical classes to ordinal classes
- Solved censoring issue by proposing a novel log-likelihood formula

SKILLS

Languages: Java, C#, Ruby On Rails, Python, MySQL, HTML, CSS, JavaScript
Tools: Android Studio, Visual Studio, Git, JIRA, VMware
Others: Android, JSON, XML, .Net, IIS, REST, Agile, Bootstrap, Machine Learning, Linux

EDUCATION

Master of Science in Electrical Engineering, Pennsylvania State University — University Park, PA

Thesis work was focused on machine learning algorithms in solving gene detection problem. — May 2014

ACTIVITIES AND HONORS

Member of Association for Computing Machinery (ACM) at Penn State — 2012 – 2014
CodePSU collegiate programming contest, 1st Place Winner, held by Penn State ACM — Spring 2014