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WENXIAO (SHAWN) DUAN

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QUALIFICATIONS

- Master graduate from Penn State University, with one and half years fulltime software engineer job experience, worked on both front-end and back-end, experienced in Android and .NET
- Academic background in Machine Learning and Image Processing.

EXPERIENCE

Software Engineer – Android

Seagate Technology, Cupertino, CA   04/2015 - Present

- Developing a client side Android app, helping user to store, organize and share photos
- Building features like photo color searching, map-based browsing, collage view with cross-fading images, tagging, image-cropping based on face detection, etc.
- 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 – 04/2014

- 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

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

Self-Motivated Ruby on Rails Project (http://www.shawn-duan.com)   04/2014

- Built a Pinterest style web app with Rails in full stack, which supports both desktop and mobile browsers, stores user uploaded images with Amazon Web Service, and runs on the Heroku cloud application platform
- Implemented 2048 game and integrated it into the Rails program

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, AWS
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
PennApps 48-hour bi-annual hackathon participant	Fall 2013
Samsung Cup International Robotics Game Championship	2010