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WENXIAO (SHAWN) DUAN

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QUALIFICATIONS

- Master graduate from Penn State University, with 4 months full-time software engineer experience, seeking for entry-level software development position.
- Proficient in JAVA and C# programming; has experience developing web apps using Django and Rails.
- Academic background in Machine Learning.

EXPERIENCE

Software Engineer

TANJARINE INC. Mountain View, CA (http://www.tanjarine.com) 12/2014 - present

- Creating IIS .Net middleware APP to communicate with Tanjarine system through RESTful API and JSON data to various POS systems.
- Building Java abstract layer component in venue PC to communicate with POS middleware.
- Implementing credit card encryption mechanism to encrypt/decrypt credit card information.
- Working with 3rd party integrators and offshore engineering teams to integrate our devices with POS system.
- Setting up testing environment on virtual machine, writing instructions for QA team.

➢ *Skills:* C#, Java, IIS, RESTful, .Net, JSON, XML, Git, Agile

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.
- Experienced the full product lifecycle from design to deployment.
- Collected customer's requirements; implemented the components and tested the final products.

➢ *Skills:* Python, Django, MySQL, GitHub

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 Heroku cloud application platform.
- Implemented 2048 game and integrated it into the Rails program.

➢ *Skills:* Ruby On Rails, Linux, AWS, HTML, CSS, JavaScript, Bootstrap, Git, Heroku

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:* C++, Machine Learning, Data Structures, Xcode

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