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Milpitas, CA, 95035

WENXIAO (SHAWN) DUAN

814-321-7548
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QUALIFICATIONS

Motivated software developer with experience working as part of a dynamic software development team.

New graduate with excellent problem-solving and self-learning capabilities.

Hands on skills building web applications with Django and Ruby on Rails frameworks.

EXPERIENCE

Intern

HAIKE NETWORKS, San Jose, CA   07/2014 – present
- Contributed to the back-end development of an O2O (Online To Offline) educational service platform, which was founded by a Stanford startup team.
- Collaborated within a team -- adding new features, communicating with customers and debugging.
➢ Skills: Python, Django, MySQL, GitHub, HTML, JavaScript, CSS

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

- Built a Pinterest style web application with RoR in full stack, supporting both desktop and mobile browsers
- Stored user uploaded images with Amazon Web Service, and ran the application on Heroku cloud application platform.
➢ Skills: Ruby On Rails, Linux, AWS, Bootstrap, Git, Heroku

Research Assistant

PENNSYLVANIA STATE UNIVERSITY, State College, PA   2013 – 2014
- Studied on learning maximum entropy probability models on disease risk and survival chance.
- Extended the idea from categorical classes to ordinal classes.
- Designed a doubly-linked list in C++ from scratch to store and manipulate "constraints"
- Solved censoring issue by proposing a novel log-likelihood formula
➢ Skills: C++, Machine Learning, Data Structures, Xcode

Research Assistant

HUBEI PROVINCE KEY LABORATORY OF INTELLIGENT ROBOT   2010 – 2012
- Worked on robotic vision module. Implemented image processing methods with C and OpenCV
- Devised and implemented multi-robot cooperation attack strategies in Java
- Improved distance evaluating and comparing methods, leading to 10% faster in decision.
➢ Skills: Java, C, OpenCV, Objected-Oriented Programming, Computer Vision

EDUCATION

Master of Science: Electrical Engineering, Pennsylvania State University   2012 – 2014

Thesis work was focused on machine learning algorithms in solving gene detection problem.   State College, PA

ACTIVITIES AND HONORS

Member of Association for Computing Machinery (ACM) at Penn State

CodePSU collegiate programming contest, 1st Place Winner, hold by Penn State ACM, Spring 2014

PennApps 48-hour bi-annual hackathon participant, 2013

Samsung Cup International Robotics Game Championship, 2010