Kevin Zhao

250 Central Ave, Apt 1404, Newark, NJ 07103 • (973)493-2598 • kz82@njit.edu • http://www.zhaokh.com/ • LinkedIn

EDUCATION

New Jersey Institute of Technology, Newark, NJ	Sep 2015 – Dec 2016
Master of Science, Computer Science	
Northeast Electric Power University, Jilin, China	Sep 2011 – Jun 2015
Bachelor of Engineering, Electrical Engineering	

HONORS AND AWARDS

ACM-ICPC JILIN REGIONAL	3rd Prize | 2014
UNIVERSITY PROGRAMMING CONTEST	1rd Prize | 2014

SKILLS

PROGRAMMING
Proficiency: Python/Django • Java • HTML/CSS/JavaScript • SQL **|** Familiar: C/C++ • Android • LaTex
TOOLS/SOFTWARES/OPERATING SYSTEMS
Proficiency: VIM • Git • AWS • GNU/Linux • MacOS   **|** Familiar: Windows, Raspberry Pi

EXPERIENCE

Software Engineer Intern | Shanghai PROTREND Advertising Agency   Feb 2015 – May 2015
- Developed games and increased 50% brand awareness using HTML5/CSS3/JavaScript
- Developed a web crawler using **Python/Scrapy** to check the activation of advertisements
- Participated in brainstorming meetings with teams

Software Studio Manger | Northeast Electric Power University   Sep 2013 – Jun 2015
- Managed 5 teams (Visual Design, Flash, Java, PHP and .Net) and projects workflow (Over 15 projects)
- Developed more than 10 websites for colleges and local Power Plant companies (Java, SQL, Frontend)
- Java team leader, provided weekly team tech training to new members

SELECTED ACADEMIC PROJECTS

On a Global Optimization Algorithm for Automatic Image Registration – Master's Thesis
New Jersey Institute of Technology, Newark, NJ   Aug 2016 – Dec 2016
- Invented an innovative algorithm using **Delaunay Triangulation** for automatic image registration (Implemented in Python, C++ and C)
- Focused on multi-sensor data registration problem, successfully applied on different kind of images (MRI, Satellite images, etc.), with higher accuracy as well as none human interaction required
- Used **multi-threading, Cython, CUDA** to improve the algorithm's performance

Driving Speed Advisory – Android App
New Jersey Institute of Technology, Newark, NJ   Jan 2016 – Apr 2016
- Developed and tested entire app individually (**Java, Android, Python/Django, SQL, Linux**)
- Developed a navigation system based on **Google Maps Geolocation API**, giving drivers suggestions on speed to reduce time on red light
- Developed server side application using **Python/Django and SQL**

Personal Library Management System – Web App
New Jersey Institute of Technology, Newark, NJ   Sep 2015 – Dec 2015
- Developed and tested entire system individually using **Java, HTML5/CSS3/JS, Bootstrap, SQL** with **MVC** deign pattern, published on Virtual Personal Server
- Helped students to split large material into several 25-page subfiles (25-page restriction in NJIT's library) and store the process in their accounts
- Created a social network helps students to share and search course material easily
- Updated and maintained this website for several versions to enrich its functionality