

Xiaodong Zhang

Seeking SDE Internship for Summer 2019
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EDUCATION

- **Brown University** Providence, RI
M.S. in Computer Science GPA 4.0 Anticipated Graduation: May. 2020
- **Harbin Institute of Technology** Harbin, China
M.S. in Computer Science Sept. 2012 - July. 2014
- **Harbin Institute of Technology** Harbin, China
B.S. in Computer Science Aug. 2008 - July. 2012
- **National Cheng Kung University** Taiwan, China
One Semester Exchange Program, Computer Science Sept. 2010 - Jan. 2011

WORKING EXPERIENCE

- **Center for Computation & Visualization(Linux)** Brown University
On campus Intern, Linux Cluster Support Sep. 2018 - Nov. 2018
 - **Cluster Performance Benchmarks:** Tested HPL, DGEMM, STREAM, RandomAccess and FFT on CentOS Sandy/Ivy compute nodes. Compared runtimes with same code re-run on RedHat7 Sandy/Ivy compute nodes.
 - **Linux Support:** Handled IT tickets related to Linux Clusters.
- **Shanghai Pudong Development Bank(C/C#)** Shanghai, China
Software Engineer/Project Manager Aug. 2014 - Aug. 2018
 - **Domestic Teller System:** **1/** Implemented new features which limit teller rights before log-in, and force tellers to finish reconciliation before log-out, supported by **Microsoft SCCM**. **2/** Improved reconciliation sub-system by **automatic account checking**, reduced at least one hour for every teller in reconciliation, connected two more systems to reconciliation system.
 - **Branch Teller Applications:** **1/** Designed a base class handling communication, devices and authorization for branch applications; **2/** Developed a plug-in for VS2010 which automatically translates a Unix command line presented application to a new one in **WPF**, and also developed a website based on **Django** for management; **3/** Led 39 branches migrating 1200+ applications to the new front-end system, **accelerated this task with 40%**. which **saved 3 million RMB** for development.
 - **Fingerprint Identification System:** **1/** Built an **SOAP Webservice**, connected this service to Enterprise Service Bus, and thus provided fingerprint identification service for other systems. **2/** Implemented batch jobs to synchronize teller information from the Unified Authentication System.

PROJECTS

- **Wechat Mini-Program for Interpreters (Python)** Mar. 2018 - Present
Private Project
 - Proposed a platform that allows users to provide or look for interpreting services; Designed and implemented **Restful APIs** based on Django; Deployed this system on two application servers and one database server, using mod_proxy_balancer as **load balancer**; Built search engine system with ElasticSearch. v1.0 is published. API URL: <https://cq6.cn/docs/>

PUBLICATION

- Wang H, Zhang X, Li J, et al. Productseeker: entity-based product retrieval for e-commerce[C]//Proceedings of the 36th international ACM SIGIR conference on Research and development in information retrieval. ACM, 2013: 1085-1086.

HONORS AND AWARDS

- Merit Student of Heilongjiang Province (Top 1%) Provincial Department of Education, 2014
- National Scholarship (Top 1%) Ministry of Education of the P.R. China, 2013
- Microsoft HPC Campus Programming Contest, Second Prize Microsoft in Beijing, 2012

RELEVANT SKILLS

- C/C++, Linux, Python, Django, SQL