Dejun Qi

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EDUCATION

DePaul University - Chicago, IL   **(Expected) Mar 2017**

Master of Science in Computer Science

- GPA: 3.55 / 4.00
- Key Coursers: Software development, Database, Algorithms, Machine Learning, Scientific Computing

University of Arkansas Fayetteville, AR   **May 2014**

Doctor of Philosophy in Physics

- GPA: 3.74 / 4.00
- Dissertation: From Graphite to Graphene via Scanning Tunneling Microscopy

EXPERIENCE

Full Stack DevOps Intern, American Family Insurance   **2016 June - Present**

- Designed RESTful web API for data extraction using Python,
- Developed web scraping program for collecting data across internet.
- Managing data on AWS S3 and EC2 with AWS-CLI

Research Assistant, University of Arkansas   **2010 Aug -2014 May**

- Performed ultra-high vacuum scanning tunneling microscopy on graphene, semiconductor materials. Managed an electronic and atomic characterization laboratory

SKILLS

Web development, Object-Oriented design, Networking, REST API, Scientific Computing, Machine Learning

- **Python:**   Django, Django REST, Web2py
- **Java:**   TCP/IP socket programming
- **JavaScript:**   jQuery, AJAX
- **C#:**   .NET
- **Cloud infrastructures:**   Amazon Web Service (AWS S3)
- **Version control:**   Git & Github
- **Databases:**   MySQL, MongoDB
- **Operating System:**   Linux (Ubuntu, Fedora), Mac, Windows
- **Others:**   PHP, HTML, CSS

PROJECTS

Customer Blog System with RESTful API (Django & Python) : http://dejun-blog.herokuapp.com/

- Fully functional customer blog system with registration and login functions. Authenticated user is allowed to create new posts, to comment on every post, and reply to a specific comment.
- Django REST framework is used for building RESTful service.

Discussion Forum for CS Department (Web2py & Python): https://407ccd0a5e.pythonanywhere.com/discussion_forum/

- A discussion forum that allows user (registration and login required) to ask questions, answer questions, and vote for the question they like.
- AJAX is used for asynchronous call in the voting function; Database abstraction layer (DAL) is used for SQL injection prevention.

Online shopping bookstore app (C# & DOT NET)

- A ecommerce web application. Implemented user registration, login, shopping cart, and payment method. Bootstrap and standard CSS were used for front-end design; C# with .NET framework were used for server side programming.