**Dejun Qi**

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***EDUCATION***

**DePaul University - Chicago, IL (Expected) Nov 2016**

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, Web2py NumPy, SciPy, Pandas
* **Java:** TCP/IP socket programming
* **JavaScript:** Angular.js, Node.js, jQuery, AJAX
* **C#:** .NET
* **Cloud infrastructures:** Amazon Web Service (AWS EC2 & S3)
* **Version control:** Git & Github
* **Databases:** MySQL, PostgreSQL, MongoDB
* **Operating System:** Linux (Ubuntu, Fedora), Mac, Windows
* **Others:** PHP, HTML, CSS, shell scripting

***PROJECTS***

**Customer Blog System with RESTful API (Django & Python) :** [**http://dejun-blog.herokuapp.com/**](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 that allows the blog app to interact with external applications.

**Discussion Forum for CS Department (Web2py & Python):** [**https://407ccd0a5e.pythonanywhere.com/discussion\_forum/**](https://407ccd0a5e.pythonanywhere.com/discussion_forum/)

* Fully functional discussion forum that allows user (registration and login required) to ask questions, answer questions, and vote for the question they like.
* Python is used for back end development; 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 fully functional 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.