**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**

* Writing web API for data extraction, processing and consistency checking using Python.
* 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, designing REST API, Scientific Computing, Machine Learning**

* **Python:** Flask, Web2Py, NumPy, SciPy, Scrapy
* **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***

**Discussion Forum for CS Department**

**This web app is hosted on** [**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**

* A fully functional full stack online store. 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.

**Smartphone-Based Recognition of human activities and postural transitions**

* Designed machine learning algorithm to analyze human activity signal recorded via smartphone.
* Successfully classified 6 standard movements and 6 transition movements with error rate less than 10 %.