

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 Courses: 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/>

- 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/

- ◆ 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.