**Dejun Qi**

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**EDUCATION**

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

Master of Science in Computer Science

* GPA: 3.61 / 4.00
* Key Coursers: Software development, Data Structure, 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

**SKILLS**

**Specialities: Software development and Data Mining. Familiar with web development with Python, JavaScript, experience with REST web API design. Understanding of statistical model and machine learning algorithms.**

* **Python:** Web2Py, Django, NumPy, SciPy, MatPlotlib
* **JavaScript:** jQuery, AngularJS, NodeJS, Express
* **C#:**  DOT NET
* **Operating System:** Linux (Ubuntu, Fedora), MacOS, Windows
* **Database:** MySQL, Oracle, MongoDB, SQLite
* **Others:** Java, Scala, SQL, PHP, HTML, CSS, C/C++, MATLAB, Octave

**PROJECTS**

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

* Designed machine learning algorithm (Support vector machine and Neural Network) to analyze human activity signal recorded via smartphone. Successfully classified 12 human postures with error rate less than 10 %.

**Personal Blog System and Website**

* Developed a fully functional personal blog allow editing, posting, and deleting posts using Python in combination with Django web frameworks.

**Online shopping bookstore app**

* A fully functional full stack online store that includes function of user registration, login, shopping cart, and payment method. C# and .NET were used for server side programming.

**EXPERIENCE**

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

* Performed ultra-high vacuum scanning tunneling microscopy on graphene, semiconductor, and superconducting materials et al.
* Developed method of using scanning tunneling microscopy to control vibration and geometry of suspended graphene.

**CERTIFICATES**

* Machine Learning by Stanford University on Coursera. December 2, 2015