**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, 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

***PROJECTS***

**Discussion Forum for CS Department**

**Hosted on <https://407ccd0a5e.pythonanywhere.com/depaulcdm_forum>**

* Fully functional discussion forum that allows user (registration and login required) to ask questions, answer questions, and vote for the question they like.
* Design and implemented using Python and the Web2Py framework.

**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 %.

**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.

***SKILLS***

**Web development, Object-oriented design, Networking, building REST service and REST API, Scientific Computing, Machine Learning**

* **Python:** Flask, Web2Py, Django, NumPy, SciPy
* **JavaScript:** Angular.js, Reactive.js, Node.js, jQuery, AJAX
* **C#:** .NET
* **Version control:** Git & Github
* **Databases:** MySQL, Oracle, PostgreSQL, SQLite, MongoDB
* **Operating System:** Linux (Ubuntu, Fedora), MacOS, Windows
* **Others:** Java, Scala, PHP, HTML, CSS, MATLAB, Octave

***EXPERIENCE***

**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.