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

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 %.

Commercial Website Development

- AngularJS Single-page application (SPA) is used to render different routes with HTML templates and accomplish form validation, avoiding reloading page at any point in the process.

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.

SKILLS

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

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. Managed an electronic and atomic characterization laboratory
- Developed method of using scanning tunneling microscopy to control vibration and geometry of suspended graphene. This work resulted in the first published report of high quality atomic resolution image of suspended graphene via STM

CERTIFICATES

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