

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.