Academic Vita

Education   **Schreyer Honors College, The Pennsylvania State University**
Expected Graduation Spring 2016
B.S. in Computer Science
M.S. in Computer Science and Engineering

Experience   **SDE Intern,** Microsoft Azure, Seattle, WA   May - August 2015
- Developed a system to automatically classify build failures
- Provided high-signal feedback to developers to increase productivity
- Helped implement a highly available enterprise grade Jenkins installation

SDE Intern, Windows Azure, Seattle, WA   May - August 2014
- Implemented Azure User Experience Portal for internal developer tools
- Built extensions for release management, build tracker, and source control
- Helped onboard teams in their migration to Git

SDE Intern, Amazon Web Services, Palo Alto, CA   May - August 2013
- Developed a continuous testing suite using python backed by EC2 and S3
- Added additional features to testing suite that made it distributed and redundant
- Wrote tools to generate API documentation from XML service definitions

System Administrator, The Intelligent Information Systems Lab, PSU 2011-Present
- Maintained the CiteSeerX system
- Created a system to upload and store the CiteSeerX dataset on Amazon S3
- Migrated existing 10-server system to virtual machine cluster

Engineering Intern, OneSchool Inc., Menlo Park, CA   Fall 2011
- Used Python to screen-scrape the websites of many Universities and import the data into a Django-based API
- Added features and implemented bug fixes to an existing iPhone application with 100+ classes

Research Assistant, Center for Network-Centric Cognition and Information Fusion,
PSU   Summer 2011
- Developed applications to model internet traffic on a webserver using various visualization techniques
- Utilized Java through Processing and the peasycam library to make a 3D environment

Founder and Lead Technician, Computer-Tek, Harvard, MA   2004-present
- Founded a business to troubleshoot personal computers, configure networks, design websites, and install hardware.

Publications   **CiteSeerX: AI in a Digital Library Search Engine,** Jian Wu, Kyle Williams, Hung-Hsuan Chen, Madian Khabsa, <u>Douglas Jordan</u>, C. Lee Giles, *Twenty sixth Annual Conference on Innovative Applications of Artificial Intelligence* (**IAAI-2014**)**.**

Migrating a Digital Library to a Private Cloud, Jian Wu, Pradeep Teregowda, Kyle Williams, Madian Khabsa, <u>Douglas Jordan</u>, Eric Treece, Zhaohui Wu and C. Lee Giles, *IEEE International Conference on Cloud Engineering* (**IC2E-2014.**)

Web Crawler Middleware for Search Engine Digital Libraries: A Case Study for CiteSeerX, Jian Wu, Pradeep Teregowda, Madian Khabsa, Douglas Jordan, and C. Lee Giles, *12th ACM International Workshop on Web Information and Data Management* **(WIDM-2012).**

Scalability bottlenecks of the citeseerx digial library search engine, Jian Wu, Pradeep B Teregowda, Madian Khabsa, Eric Treece, Douglas Jordan, Stephen Carman, Prasenjit Mitra, C Lee Giles

CiteSeerX Data: Usage, Access and Mining, Stephen Carman, Pradeep Teregowda, Douglas Jordan, Jian Wu, Prasenjit Mitra, Bernard Jansen and Lee Giles, *1st International Workshop on Mining Scientific Publications* **(WOSP-2012).**

Leadership

President, Penn State Club Cross Country, PSU		2015-2016
Treasurer, Penn State Club Cross Country, PSU		2014-2015
Treasurer, Penn State Triathlon Club, PSU		2013-2014
Safety Chair, Penn State Club Cross Country, PSU		2011-present

Data Analytics Engineer, Penn State Dance Marathon (THON),   Spring 2015
- Created a plug-and-play solution for creating new THON applications
- Wrote custom mocks of the database to help unit testing
- Wrote tools to visualize second-by-second data from custom applications

Pass Team PM, Penn State Dance Marathon (THON),   Spring 2014-Present
- Lead the migration of an existing 10K+ LOC PHP application to Django
- Implemented continuous integration using Git, Jenkins, and a custom middleware
- Organized efforts to write unit tests with 100% code coverage

Mobile Developer, Penn State Dance Marathon (THON),   Spring 2013-2014
- Wrote a custom iPhone application for THON from the ground up
- Implemented a ticketing system for physical line management using POS receipt printers
- Live coded an application to keep track of the number of people in the arena

Projects

FaceSpace: https://github.com/dwj300/facespace   Spring 2015
- Created a FaceBook and MySpace clone from scratch
- Implemented user chat using WebSockets
- Wrote custom authentication module

Partify: https://github.com/dwj300/partify   Spring 2015
- Utilized the Spotify API to automatically add songs to playlist
- Allowed party-goers to crowdsource the music from their phones

Academic Honors

First Place, CodePSU - Competitive Programming Competition	Spring 2016
Diamond of Wisdom Award, Penn State Dance Marathon (THON)	Spring 2016
First Place, Microsoft Azurathon Hackathon	Summer 2014
First Place, CodePSU - Competitive Programming Competition	Spring 2014
Raytheon Scholarship In Computer Science and Engineering	Fall 2014
Finalist, University Hacker Olympics	Spring 2013
Penn State Dean's List of Distinguished Students	2011-Present
Eric Fuller Cross Country Senior Leadership Scholarship,	Spring 2011
High Honor Roll, all 4 years of high school	2007-2011

Top 10% of class all 4 years of high school	2007-2011
3rd place in Computer Systems Troubleshooting, PA TSA	2009
Electronics Award, State College Area High School	2007

Programming

Languages: C, C#, Objective-C, Java, Python, PHP, JavaScript, TypeScript, Bash, LaTeX
Frameworks: Django, ASP .NET, KnockoutJs, Spring
Database related: MySQL, Postgres SQL, Transact-SQL
Apache: Tomcat, Httpd, Solr Lucene
Other: Amazon S3, EC2, ElasticSearch, scikit-learn, Microsoft Azure

Links

Website: http://dougjordan.com
GitHub: http://github.com/dwj300
Twitter: http://twitter.com/dwj300