

Douglas W. Jordan

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Permanent Address

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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 peascam 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, <i>Twenty sixth Annual Conference on Innovative Applications of Artificial Intelligence (IAAI-2014)</i> .	
	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, <i>IEEE International Conference on Cloud Engineering (IC2E-2014)</i> .	
	Web Crawler Middleware for Search Engine Digital Libraries: A Case Study for CiteSeerX , Jian Wu, Pradeep Teregowda, Madian Khabsa, <u>Douglas Jordan</u> , and C. Lee Giles, <i>12th ACM International Workshop on Web Information and Data Management (WIDM-2012)</i> .	
	Scalability bottlenecks of the citeseerx digital library search engine , Jian Wu, Pradeep B Teregowda, Madian Khabsa, Eric Treece, <u>Douglas Jordan</u> , Stephen Carman, Prasenjit Mitra, C Lee Giles	
	CiteSeerX Data: Usage, Access and Mining , Stephen Carman, Pradeep Teregowda, <u>Douglas Jordan</u> , Jian Wu, Prasenjit Mitra, Bernard Jansen and Lee Giles, <i>1st International Workshop on Mining Scientific Publications (WOSP-2012)</i> .	
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 <ul style="list-style-type: none"> 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 	
Projects	Pass Team PM , Penn State Dance Marathon (THON), Spring 2014-Present <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 	
	FaceSpace : https://github.com/dwj300/facespace Spring 2015 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Utilized the Spotify API to automatically add songs to playlist Allowed party-goers to crowdsource the music from their phones 	

Academic Honors	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	
	<u>Frameworks:</u> Django, ASP .NET, KnockoutJs, Spring	
	<u>Database related:</u> MySQL, Postgres SQL, Transact-SQL	
	<u>Apache:</u> Tomcat, Httpd, Solr Lucene	
	<u>Other:</u> Amazon S3, EC2, ElasticSearch, scikit-learn, Microsoft Azure	
Links	Website: http://dougjordan.com	
	GitHub: http://github.com/dwj300	
	Twitter: http://twitter.com/dwj300	