

## Douglas W. Jordan

### Present Address

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### Permanent Address

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**Objective** Seeking a full time SDE position following graduation in May, 2016.

### Education

**Schreyer Honors College, The Pennsylvania State University**

Fall 2011 ->Expected Graduation Spring 2016  
B.S. in Computer Science, College of Engineering  
B.S. in Mathematics, Eberly College of Science  
M.S. in Computer Science and Engineering, College of Engineering  
Overall GPA: 3.73

### State College Area High School, State College, PA 16801

Graduated June 2011  
GPA: 4.46 weighted, 3.87 unweighted

### Experience

**SDE Intern, Microsoft Azure, Seattle, WA** May - August 2014

- 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 as well peascam to make a 3D environment

	<b>Founder and Lead Technician</b> , Computer-Tek, Harvard, MA 2004-present <ul style="list-style-type: none"> <li>Founded a business to troubleshoot personal computers, network configuration, website design and development, graphic design, data recovery, and repairs</li> </ul>
Publications	<p><b>CiteSeerX: AI in a Digital Library Search Engine</b>, 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>.</p> <p><b>Migrating a Digital Library to a Private Cloud</b>, 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>.</p> <p><b>Web Crawler Middleware for Search Engine Digital Libraries: A Case Study for CiteSeerX</b>, 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>.</p> <p><b>Scalability bottlenecks of the citeseerx digital library search engine</b>, Jian Wu, Pradeep B Teregowda, Madian Khabsa, Eric Treece, <u>Douglas Jordan</u>, Stephen Carman, Prasenjit Mitra, C Lee Giles</p> <p><b>CiteSeerX Data: Usage, Access and Mining</b>, 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>.</p>
Leadership	<p><b>President</b>, Penn State Club Cross Country, PSU 2015-present</p> <p><b>Treasurer</b>, Penn State Club Cross Country, PSU 2014-2015</p> <p><b>Treasurer</b>, Penn State Triathlon Club, PSU 2013-2014</p> <p><b>Safety Chair</b>, Penn State Club Cross Country, PSU 2011-present</p> <p><b>Data Analytics Engineer</b>, Penn State Dance Marathon (THON), Spring 2015</p> <ul style="list-style-type: none"> <li>Created a plug-and-play solution for creating new THON applications</li> <li>Wrote custom mocks of the database to help unit testing</li> <li>Wrote tools to visualize second-by-second data from custom applications</li> </ul> <p><b>Pass Team PM</b>, Penn State Dance Marathon (THON), Spring 2014-Present</p> <ul style="list-style-type: none"> <li>Lead the migration of an existing 10K+ LOC PHP application to Django</li> <li>Implemented continuous integration using Git, Jenkins, and a custom middleware</li> <li>Organized efforts to write unit tests with 100% code coverage</li> </ul> <p><b>Mobile Developer</b>, Penn State Dance Marathon (THON), Spring 2013-2014</p> <ul style="list-style-type: none"> <li>Wrote a custom iPhone application for THON from the ground up</li> <li>Implemented a ticketing system for line management using POS receipt printers</li> <li>Live coded an application to keep track of the number of people in the arena</li> </ul>
Projects	<p><b>FaceSpace</b>: <a href="https://github.com/dwj300/facespace">https://github.com/dwj300/facespace</a> Spring 2015</p> <ul style="list-style-type: none"> <li>Created a FaceBook and MySpace clone from scratch</li> <li>Implemented user chat using WebSockets</li> <li>Wrote custom authentication module</li> </ul> <p><b>Partify</b> Spring 2014-Present</p> <ul style="list-style-type: none"> <li>Utilized the Spotify API to automatically add songs to playlist</li> <li>Allowed party-goers to crowdsource the music from their phones</li> </ul>

<b>Academic Honors</b>	First Place, Microsoft Azurathon Hackathon	Summer 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
<b>Programming</b>	Electronics Award, State College Area High School	2007
	<u>Languages:</u> 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, Windows Azure	