Douglas W. Jordan

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Objective   Seeking a software engineering internship for Summer 2015.

Education

Schreyer Honors College, The Pennsylvania State University
Fall 2011 ->Expected Graduation Spring 2016
B.S. in Computer Science, College of Engineering, GPA: 3.95
B.S. in Mathematics, Eberly College of Science, GPA: 3.60
M.S. in Computer Science and Engineering, College of Engineering, GPA: 4.00
Overall GPA: 3.74

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
- 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 (Boto, Requests, cron) backed by EC2 and S3
- Added additional features to testing suite that made it distributed and redundant
- Wrote tools to automatically 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 peasycam to make a 3D environment

Founder and Lead Technician, Computer-Tek, Harvard, MA   2004-present
- Founded a business to troubleshoot personal computers, network configuration, website design and development, graphic design, data recovery, and repairs

Publications-Papers	**CiteSeerX: AI in a Digital Library Search Engine. To appear in: Twenty sixth Annual Conference on Innovative Applications of Artificial Intelligence,** Jian Wu, Kyle Williams, Hung-Hsuan Chen, Madian Khabsa, <u>Douglas Jordan</u>, C. Lee Giles, *To appear in: Twenty sixth Annual Conference on Innovative Applications of Artificial Intelligence*
	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, <u>Douglas Jordan</u>, and C. Lee Giles, *12th ACM International Workshop on Web Information and Data Management* (**WIDM-2012**).
Publications-Posters	**CiteSeerX Data: Usage, Access and Mining,** Stephen Carman, Pradeep Teregowda, <u>Douglas Jordan</u>, Jian Wu, Prasenjit Mitra, Bernard Jansen and Lee Giles, *1st International Workshop on Mining Scientific Publications* (**WOSP-2012**).

Leadership Activities

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

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 line management using POS receipt printers
- Live coded an application to keep track of the number of people in the arena

Academic Honors

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
Electronics Award, State College Area High School	2007

Computer Skills

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