JON TEDESCO

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SUMMARY

Student, developer, and researcher seeking a challenging, cutting-edge software engineering position at a company with a need for competitive technical skills, problem solving ability, adaptability, determination, and creativity.

EDUCATION

University of Illinois, College of Engineering

M.S., Computer Science *May 2013*

GPA: 3.83

- Enrolled in accelerated 5 year combined BS / MS program
- Studying information systems and machine learning in the context of web search

B.S., Computer Science, Minor in Mathematics *May 2012*

GPA: 3.98

- Senior Thesis titled *Efficiently Retrieving Relevant Pages for Fully-Qualified Entities*, advised by Kevin Chen-Chuan Chang
- James Scholar honors program, software engineering certificate, specializing in databases and systems

AWARDS

Jump Trading Scholar	*2011*
Crowe Horwath LLP Outstanding Computer Science Student	*2011*
Daniel L. Slotnick Scholarship	*2011*
Dean's List	*2008 - Present*

SKILLS AND COURSEWORK

Current and Completed Coursework:

Fundamental Algorithms, Machine Learning, Software Engineering Seminar, Software Engineering II, Cloud Computing, Computer System Organization, Software Engineering, Graph Theory, Graduate Compilers & Programming Languages, Text Information Systems, Distributed Systems, Theory of Computation, Database Systems, Operating Systems Programming, Data Structures and C++, Programming Studio

Technical Skills:

Java, C++, C, Python, JavaScript, C#, PHP, SQL, HTML5, CSS3, Ocaml, Ruby, Windows, Linux, Git, Subversion, Mercurial

PUBLICATIONS

CoMoTo – The Collaboration Modeling Toolkit *ITICSE '11*

By Charlie Meyer, Cinda Heeren, Eric Shaffer, and Jon Tedesco

Developing Generalizable Principles for Object-Oriented Search Engine Interface Design *UIUC URJ Spring 2010*

By Jon Tedesco and Kim Cuong Pham

EXPERIENCE

DRW Trading Group, Chicago, IL

Software Engineering Intern *Summer 2011*

- Created open source NPAPI plugin *SockIt* to perform low-level networking using client-side JavaScript to improve performance and flexibility of the WebSockets implementation, and to allow JavaScript implementations of arbitrary networking protocols
- Studied performance and efficiency impact of Intel's new AVX instruction set for floating point operation intensive applications

Bank of America, Chicago, IL

Technology Analyst Intern in Capital Markets & FX Options Ask/GUI Team *Summer 2010*

- Developed GUIs for large-scale applications used for reporting and documentation of Bank of America's FX and options trading in real time.
- Designed and implemented standalone code base for FTP reporting, and helped develop back-end of database-centric applications.

University of Illinois, Urbana, IL

CS242 Programming Studio Undergraduate TA *Spring 2011 – Present*

- Leads multiple discussion sections, grades student submissions, and instructs students in programming practices, coding style, and substantive multi-language programming projects

Undergrad CS Research Liaison for P.U.R.E. *Fall 2010 – Present*

- Recruits graduate and faculty mentors, undergraduates mentees, and acts as CS representative of college-wide undergraduate research organization PURE, **P**romoting **U**ndergraduate **R**esearch in **E**ngineering
- Promotes program through staff relations and presentations in mainstream undergraduate CS classes

Software Developer for CoMoTo Project *Fall 2010 – Present*

- Maintains Python-driven web application used for analyzing student code submissions, detecting software similarity, and analyzing collaboration patterns of students in undergraduate classes throughout the department
- Implemented and maintains Java application for visually analyzing student collaboration patterns to detect cheating in undergraduate classes