

JON TEDESCO

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SUMMARY

Highly qualified student, developer, and researcher seeking a challenging 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

Expected Graduation in May 2012

B.S., Computer Science, Minor in Mathematics

GPA: 3.98 Overall, 4.00 Major

- Specializing in databases and systems, and pursuing software engineering certificate
- Member of James Scholar honors program, senior thesis Fall 2011 studying deep web search
- Pursuing 5-year combined BS/MS program for CS at UIUC
- Dean's List Fall 2008 through Fall 2010 from UIUC College of Engineering

SKILLS AND COURSEWORK

Current Coursework:

Graph Theory, Graduate Compilers & Programming Languages, Text Information Systems, Distributed Systems

Completed Coursework:

Programming Studio, Theory of Computation, Database Systems, Undergraduate Research with Deep Web Searching, Operating System Programming, Data Structures and C++ with honors Hausdorff Distance project, Java Programming

Technical Skills:

Java, Python, C++, C, C#, PHP, SQL, HTML5, CSS3, JavaScript, Ocaml, Ruby, Junit, Mockito, jQuery, Struts, interface design (HCI), design patterns, TDD, CherryPy, Spring, Pylons, Subversion, Git, Mercurial, Eclipse, Doxygen, Sphinx, PhpStorm, Aptana Studio, IntelliJ, PyCharm, RunyMine, NetBeans, Linux, Windows, Linux server administration

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

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, Promoting Undergraduate Research in Engineering
- 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 with web API for visually analyzing student collaboration patterns to detect and analyze cheating in undergraduate CS classes

Undergraduate Course Assistant for Java Programming

Spring 2010 – Fall 2010

- Held weekly office hours, assisted professor in lecture, and presented OO design topics to undergraduate CS class

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.