

Timothy J. Coulter

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www.timothyjcoulter.com

EMPLOYMENT

Software Quality Engineer, Intent Media, Inc.

Summer 2009 – Present, New York, NY

- Introduced exploratory testing into an agile environment.
- Led performance testing, wrote performance testing framework around JMeter and JMX; hooked framework into our continuous integration process using Ant and TeamCity.
- Discovered many showstopper bugs before release, and uncovered repeatable steps for the toughest bugs encountered post-release.
- Managed suite of integration tests using Ruby, Cucumber and Celerity.
- Gave presentations to our CEO, CTO and the whole team about testing and its value.

Software Developer/Software Tester, The Open Planning Project / OpenGeo

Fall 2007 – Summer 2009, New York, NY

- Managed development of a geospatial map viewer for Alachua County, FL (Javascript).
“*This product wouldn't have succeeded without you.*”
- Experimented with session-based test management, guiding both developers and testers.
- Led internal user testing and created user testing manuscripts for remote clients.
- Front-end development (Javascript) for various other geospatial-related products.

Software Testing Intern, PerfTestPlus, Inc.

Summer 2006, Melbourne, FL

- Interned directly with with Scott Barber, Chief Technologist and owner.
- Assisted with presentations, attended StarEAST, and aided Scott on consulting contracts.

Software Development Intern, Florida Institute of Technology

Summer 2005, Melbourne, FL

- Created an event calendar and administration engine for Florida Tech's Office of Residence Life.
- Leveraged ASP.NET, IIS, and integrated the application with Crystal Reports.

Software Development Intern, Air Force Research Laboratory

Summer 2004, Rome, NY

- Created configuration engine for large military intelligence application. (Java, Swing)

COLLEGIATE EXPERIENCE

Development Lead for the OpenCertification Project

Fall 2006 – Spring 2007, Florida Institute of Technology, Melbourne, FL.

- Researched and implemented community-based certification model with Dr. Cem Kaner.
- Managed three software engineering students in our senior project.
- Leveraged Eclipse, Ruby, Ruby on Rails, Subversion and MySQL.

Teaching Assistant for Dr. Cem Kaner's Test-Driven Java 1001

Fall 2006 – Spring 2007, Florida Institute of Technology, Melbourne, FL.

- Assisted in teaching and grading (Java & JUnit).
- Mentored students in one-on-one programming and help sessions.

Research Assistant Under Dr. Cem Kaner, Funded by the National Science Foundation

Fall 2005 – Spring 2007, Florida Institute of Technology, Melbourne, FL.

- Test-driven maintenance on Brian Marick's Multi (Java, JUnit, Swing).
- <https://sourceforge.net/projects/multi/>

EDUCATION

Bachelor of Science in Software Engineering

Graduated Cum Laude May 2007, Florida Institute of Technology, Melbourne, FL.

- GPA: overall 3.5/major 3.9

Student in AST's Black Box Software Testing Instructor's Foundations Course

Four week course for software testing instructors, Online, Sept. 28th to Oct. 25th, 2008

**PUBLIC WORKS &
POSITIONS**

Nominated for President and Executive Vice President of the AST
Association for Software Testing, Summer 2010. Elections in August.

Program Chair for CAST 2010: Conference for the Association for Software Testing
To be held August 2nd – 4th, 2010 in Grand Rapids, MI.

- <http://conferences.associationforsoftwaretesting.org/CAST2010>

Board Member of the Association for Software Testing
Elected by membership vote in July, 2009.

Manager for the AST's Undergraduate Excellence in Software Testing Award
Association for Software Testing, Spring 2008

- Managed committee by email to create AST's first college scholarship.

Speaker at CAST 2007, 2008 and 2009, Various Locations

- Talked about my experience attending invite-only peer workshops.
- Gave closing keynote speech at CAST 2009, Colorado Springs.

Developer for OpenLayers and GeoExt
Made major contributions to two open-source online mapping frameworks

- <http://www.openlayers.org>
- <http://www.geoext.org>

**SELECT PEER
WORKSHOPS
(Invitation only)**

Workshop on Performance and Reliability, 2008 (Teaching Performance Testing)
Software Testing in Financial Services, 4 (Para-functional Testing) & 5 (Business Knowledge), 2007
Workshop on Teaching Software Testing, 2006 (Critical Incidents), 2007 (Techniques)
Workshop on Heuristic and Exploratory Techniques, 2006 (Exploratory Testing), 2007 (Boundaries)
Workshop on Open Certification, 2006 (Defining OC), 2007 (Future, Development Review)

**LANGUAGES &
FRAMEWORKS**

Javascript, 2007 – Present	Intel x86 Assembly, 2003
Haskell (GHCI), Python, 2006	Java & JFC, 2003 – 2007
Ruby & Test::Unit, JUnit, Rails, 2005 – Present	PHP & MySQL, 2000 – Present
ASP & C#, 2005	C++ & MFC, 1997
Sparc Assembly, 2004	HTML, CSS, 1994 – Present

**HONORS &
AFFILIATIONS**

Association for Computing Machinery, Chapter President
Spring 2005 – Fall 2006, Florida Institute of Technology

- Created ACM Chapter after 15 year blackout.
- Recruited, advertised, and encouraged students to participate.
- Hosted speakers and social events, and created weekly ACM news column.

Honor Societies, Florida Institute of Technology
Upsilon Pi Epsilon Computer Science Honor Society, *Fall 2006*
Tau Beta Pi Engineering Honor Society, *Spring 2006*
Phi Eta Sigma Honor Society, *Spring 2003*

Merit-based Awards, Florida Institute of Technology
Paul Andre Hermansen Endowment Recipient
Outstanding Junior in Computer Science, 2005 – 2006

ACM Collegiate Programming Competition, Southeast Regional
3rd Place (team), 2006 • 6th Place (team), 2005 • 29th Place (team), 2004

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REFERENCES

“Not only is Tim on the top of my list of Software Testing Thought-Leaders of Tomorrow, I've had the pleasure to manage his work as a web application designer and developer. In each case, I've been nothing short of thrilled with his work. This is even more impressive due to the fact that at the time I oversaw his work he had no "official" job experience, he was always remote, and yet in each case managed to deliver above expectations with absolutely minimal guidance. Tim has a degree of maturity, work ethic, passion, and dedication that far exceeds most of the developer/testers I've met 10 years his senior. Remember the name Tim Coulter – if you stay in the industry, you'll run into it again.”

Scott Barber, Chief Technologist, PerfTestPlus Inc.

“Tim is the kind of tester you'd want on any project. He is an earnest learner, a rapid thinker, and he uses and embraces his confusion instead of running from it. He will not hesitate to ask any kind of question in pursuit of context that may be important on the project. Give him a problem and he will begin to attack it. He may say he does not have much experience, but he's been to more peer conferences in testing than many professional testers!”

Jon Bach, Principal Consultant, Quardev, Inc.

More available upon request.

SOCIAL NETWORKING

Linked In: <http://www.linkedin.com/in/timothyjcoulter>

Twitter: <http://twitter.com/timothyjcoulter>

Facebook: <http://www.facebook.com/timothyjcoulter>