

Tim Disney

My primary research interest is dynamic languages and finding new ways to make them more secure, safe and powerful.

Education

- 2009–current **Ph.D.**, *University of California Santa Cruz*.
Focused on programming language research with my advisor Cormac Flanagan
- 2003–2007 **B.S. Computer Science**, *Seattle Pacific University*, Seattle, WA.

Publications

Workshop Papers

- [1] T. Disney and C. Flanagan. Gradual Information Flow Typing. In *Scripts To Programs (STOP)*, 2011.

Conference Papers

- [2] T. Disney, M. Lam, D. Raicu, J. Furst, and D.S. Channin. A Lookup and Reference Tool for Pulmonary Computed Tomography Nodules. In *The 2007 Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM 2007)*, 2007.
- [3] M. Lam, T. Disney, M. Pham, D. Raicu, J. Furst, and R. Susomboon. Content-based image retrieval for pulmonary computed tomography nodule images. In *SPIE Medical Imaging*, 2007.
- [4] M. Pham, R. Susomboon, T. Disney, D. Raicu, and J. Furst. A comparison of texture models for automatic liver segmentation. *SPIE Medical Imaging*, 2007.

Journal Papers

- [5] M.O. Lam, T. Disney, D.S. Raicu, J. Furst, and D.S. Channin. BRISC - an open source pulmonary nodule image retrieval framework. *Journal of Digital Imaging*, 20:63–71, 2007.

Experience

- 2007–2009 **Software Engineer II**, *Blue Nile Inc.*, Seattle, WA.
Worked on backend and frontend of the main retail website.
Gained experience in:
 - Dynamic language frameworks (Groovy and Grails).
 - Software testing (championed introduction of automated unit testing).
- Spring 2007 **Search Marketing Intern**, *POP*, Seattle, WA.
Developed tools to assist search engine optimization.
- Summer 2006 **Research Experience for Undergraduates**, *DePaul University*, Chicago, IL.
Gained research experience in medical imaging.
Work from the summer resulted in:
 - An open source project (<http://brisc.sf.net>).
 - A journal paper [5] and three conference papers [2, 3, 4].

2003–2007 **Senior Microsystems Analyst Assistant**, *Seattle Pacific University, Computer and Information Services*, Seattle, WA.
Provided technical support for faculty and staff.

Teaching

- Winter 2010 **Software Methodology**, *University of California Santa Cruz*, Teaching Assistant.
Graded software projects and led tutorials on practical software engineering topics.
- Winter 2010 **Intro to Computer Science**, *University of California Santa Cruz*, Teaching Assistant.
Helped mostly non-CS majors understand basic concepts and programming. Graded homework and C++ code.
- Spring 2010 **Intermediate Programming**, *University of California Santa Cruz*, Teaching Assistant.
Helped students understand intermediate programming in Java. Graded homework and Java code.

Computer skills

Languages	Java, JavaScript, Scala, Python, Groovy, HTML/CSS, Haskell, C#, C++	Misc	LaTeX, Unix shell, subversion, git, Mac, Windows, Linux
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