# Tim Disney

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

## Education

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|---|---|
| 2009–current | **Ph.D.**, *University of California Santa Cruz*.<br>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, 2011. To appear in Script To Program Evolution (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 Conference*, 2007.

[4] M. Pham, R. Susomboon, T. Disney, D. Raicu, and J. Furst. A comparison of texture models for automatic liver segmentation. *Medical Imaging 2007: Image Processing*, 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

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