

# Huan Tan

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## Education

Wake Forest University School of Medicine, Winston-Salem, North Carolina  
**Ph.D Student in Biomedical Engineering, expected May 2010**

Wake Forest University, Winston-Salem, North Carolina  
**Master of Science in Computer Science, graduated May 2006**  
**GPA: 4.0**

Averett University, Danville, Virginia  
**Bachelor of Science in Computer Science and Mathematics, graduated May 2004**  
**Cumulative / Major GPA: 3.97 / 4.0**

## Publication

**Tan H**, Maldjian JA, Pollock JM, Burdette JH, Yang L, Deibler AR, Kraft RA. *A Fast, Effective Filtering Method for Improving Clinical Pulsed Arterial Spin Labeling MRI*. Accepted by JMRI. Publication pending.

Pollock JM, Whitlow CT, **Tan H**, Kraft RA, Burdette JH, Maldjian JA. *Pulsed Arterial Spin-Labeled MR Imaging Evaluation of Tuberos Sclerosis*. AJNR Am J Neuroradiol. 2009 Jan 15.

Pollock JM, Deibler AR, Whitlow CT, **Tan H**, Kraft RA, Burdette JH, Maldjian JA. *Hypercapnia-Induced Cerebral Hyperperfusion: An Underrecognized Clinical Entity*. AJNR Am J Neuroradiol. 2008 Oct 14

Pollock JM, Deibler AR, Burdette JH, Kraft RA, **Tan H**, Evans AB, Maldjian JA. *Arterial Spin Labeled MRI in Hyperperfused Migraine Evaluation*. AJNR Am J Neuroradiol. 2008 Sep;29(8):1494-7.

Pollock JM, Whitlow CT, Deibler AR, Burdette JH, Kraft RA, **Tan H**, Maldjian JA. *Anoxic Injury Associated Cerebral Hyperperfusion Identified with Arterial Spin Labeled MRI*. AJNR Am J Neuroradiol. 2008 Aug;29(7):1302-7.

Deibler AR, Pollock JM, **Tan H**, Kraft RA, Maldjian JA, *Arterial spin labeling in routine clinical practice Part I: Technique and artifacts*. AJNR Am J Neuroradiol. 2008 Sep;29(8):1428-35.

Deibler AR, Pollock JM, **Tan H**, Kraft RA, Maldjian JA, *Arterial spin labeling in routine clinical practice Part II: Hyperperfusion patterns..* AJNR Am J Neuroradiol. 2008 Sep;29(8):1428-35.

Deibler AR, Pollock JM, **Tan H**, Kraft RA, Maldjian JA, *Arterial spin labeling in routine clinical practice Part III: Hyperperfusion patterns*. AJNR Am J Neuroradiol. 2008 Sep;29(8):1428-35.

Huff RG, Bayram E, **Tan H**, Knutson ST, Knaggs MH, Richon AB, Santago II P, Fetrow JS. *Chemical and Structural Diversity in Cyclooxygenase Protein Active Sites*. Chemistry and Biodiversity 2005; 11(2): 1533-1552.

## Research

Magnetic resonance imaging, arterial spin labeling MRI, PROPELLER MRI, fast T1 mapping methods, echo planar imaging, off resonance correction, clinical perfusion imaging.

## Working Experience

**WFU Computer Science Department, Winston-Salem, NC** [Aug, 2005 – June, 2006]

*Adjunct Faculty*

- Taught CSC111, Introduction to Java and CSC101, Introduction to Computer Science

**WFU Information Systems, Winston-Salem, NC** [Aug, 2004 – Aug, 2005]

*Software Development Assistant*

- Write several applications for WIN (Wake Information Network), a web-based application suite accessed by faculty, staff and students of Wake Forest University.
- Construct test plans, develop testing units and debug all WIN applications

**Institute for Advanced Learning & Research (IALR), Danville, VA** [May, 2003 – Aug, 2004]

*Information System Intern*

- Helped planning, setting up and maintaining the information infrastructure using Microsoft Active Directory
- End-user system support and problem solving

**Averett University Internet Services, Danville, VA** [Aug, 2001 – May, 2004]

*System Administrator Assistant and Web Master*

- Designed and developed school website and maintained Blackboard and OS X server

**Averett University Residence Life Office, Danville, VA** [Aug, 2000 – Dec, 2003]

*Residence Assistant*

- Ensured wellbeing of fifty freshmen and student athletes and enforced university rules and regulations
- Planned social, educational and community hall programs for residents
- Mediated conflict among residents

**Averett University Learning Center, Danville, VA** [Aug, 2000 – Dec, 2002]

*Tutor*

- Served as a mathematics tutor

## Activities and Honors

IEEE	2007 – Present
ISMRM	2006 – Present
Upsilon Pi Epsilon Computer Science Honor Society	2005 – Present
Outstanding Student Awards in Computer Science and Mathematics	2004
Alphi Chi National Honor Society	2003 – Present
Averett Men's Tennis Team	2003 – 2004
Douglas W. Houser Scholarship for outstanding foreign student	2003
Yvonne Kelly Scholars Scholarship for holding the highest GPA on campus	2003
Averett President's List	2001 – 2004
Academic All-American	2000 – 2004