Andriy Y. Fedorov

CONTACT INFORMATION

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OBJECTIVE

To find a job that will allow me to use and advance my knowledge in medical image computing, and participate in the projects with the application of computer science to health care research.

RESEARCH INTERESTS

Medical image computing, mesh generation, distributed computing, non-rigid image registration, registration validation and assessment.

EDUCATION

The College of William and Mary, Williamsburg, Virginia USA
Advisor: Professor Nikos Chrisochoides

Ph.D., Computer Science, expected May 2009

- Thesis: Enabling Technology for Non-Rigid Image Registration during Image Guided Neurosurgery

M.S., Computer Science, December 2003, GPA 4.0/4.0

- Thesis: Location Management in a Distributed Object Runtime Environment

Institute for Computing and Information Technologies, Ternopil, Ukraine

B.S., Computer Science and Engineering (Red diploma honors), 2003, GPA 5.0/5.0

EXPERIENCE

The College of William and Mary, Williamsburg, Virginia USA

Research Assistant **August 2002 to present**

Supervisor: Professor Nikos Chrisochoides

- Actively involved in a number of NSF-funded projects
- Responsible for development and maintenance of the registration software
- Developed tools for mesh generation from medical images
- Implemented software system for dynamic load balancing support

Teaching Assistant **September 2001 to August 2002, Fall 2006**

Computational Radiology Lab and Surgical Planning Lab, Brigham and Women's Hospital/Harvard Medical School, Boston, Massachusetts USA
Supervisor: Professor Simon K. Warfield

Visiting Researcher **January 2005 to November 2005, June to August 2006**

- Developed mesh generation software for FEM component of brain registration
- Contributed to the development of distributed high performance registration code

AWARDS

Award for Excellence in Scholarship in the Natural and Computational Sciences, 6th Annual Graduate Research Symposium, College of William and Mary, 2007

IEEE TCSC Student Travel scholarship, Supercomputing 2006

The President of Ukraine scholarship 2000-2001

REFERENCES

Available upon request