

Robert Gevers

<http://www.cs.purdue.edu/homes/rgevers>

Phone: 765-418-6191

Email: rgevers@purdue.edu

9/13/2010

2251 Staggerwing Ln.
Lafayette, Indiana 47909

Education

- Current – **Ph.D. Student**. Purdue University: Expected 2014 Graduation
- Current – **Masters Computer Science**. Purdue University: Expected Spring 2011 Graduation
- May 2009 – **B.S. Computer Science**. Purdue University

Research Interests

I am currently working on a project to analyze the evolving aircraft communications and navigations systems outlined in the F.A.A.'s NextGen initiative. I am interested in adversarial models for understanding trust and vulnerabilities in the proposed systems. I am studying the security concerns of ad-hoc and self-navigation systems as well as digital traffic communications management.

Employment

- [Summer 2010] – **Data Analysis Intern**: Supervised by Dr. Robert Medsker. Closure Systems International, Crawfordsville IN.
 - Developed python software to perform optimization of closure designs using existing finite element software. Work on a closed-loop optimization system to simulate and test closure designs.
 - Gave lecture series on use of statistical tools in engineering
- [Fall 2008:Spring2010] – **Research Assistant**: Supervised by O.Vitek. Department of Statistics & Computer Science. Purdue University
 - Analysis and implementation of graphical models for gene regulatory structure learning
 - Development and implementation of algorithms for clustering protein-protein interaction networks
- [Fall 2007:Spring 2008 + Fall2010:Current] – **Teaching Assistant**: Computer Science, Purdue University
 - Efforts consist of developing new material. Holding labs and recitations.
 - CS177 – Developing new material, slides, projects
 - CS190C – Interdisciplinary introduction to Computer Science
 - CS159 – Computer Science of Engineers
 - Super Saturday - Taught 3 semesters for 5th-8th graders with GERI
- [2005:2007] – **Systems Administrator and Security Analyst**: Touch Support llc. Lafayette, IN.
 - Administration and software development for outsourced webhosting support.
 - Supervised team of 7.

Awards and Activities

- Honorable Mention 2010 **NSF GRFP** and 2009 **CRA Outstanding Undergraduate Award**
- 2009 **Co-Taught Current Trends in Bioinformatics** with O. Vitek. Wroclaw University of Technology. Wroclaw Poland.
- 2009 **ISMB**: Poster Presentation

Private pilot with endorsements for: tail-dragger, high-performance, and complex aircraft