

Kevin Stock

2900 Wickliffe Woods Ct
Columbus, OH 43221

614-458-8382
stock.53@osu.edu
<http://www.cse.ohio-state.edu/~stockk>

Education:

Currently working towards a MS at The Ohio State University in Computer Science & Engineering under the advisement of Professor P. Sadayappan. Completed undergraduate degree at OSU in June 2009 with a GPA of 3.79 also in CS&E.

Experience:

See the website listed above for software I've written outside of class.

January 2010 -

Graduate Research Assistant at The Ohio State University

My current research focus is the automatic vectorization of scalar code within the polyhedral model for short vector SIMD architectures. The project I am assigned to is the Tensor Contraction Engine which automates the creation of fast code for tensor contractions, a class of computations commonly found in quantum chemistry and other branches of science.

June 2008 - August 2008

Scholastic Honors Intern at the Federal Bureau of Investigation

My main project involved the analysis of data using SQL and Excel, and presenting my findings to executive management. Also experienced setting up and administering a physical server with virtual machines using VMWare to aid in the development of new software. Held a National Security Clearance at the Top Secret level.

October 2006 - September 2007

Database Quality Engineering Co-Op at Chemical Abstract Services

Responsibilities include maintaining various database related projects written mostly in Perl cleaning up the code for a few mid-size programs, adding support for newer standards to older programs, and implementing numerous small Perl utilities to correct and update large thesauruses. Assisted in the design and implementation of converting a large piece of internal documentation to a more modern XML based storage and delivery system.

September 2006 - March 2009

Math Lab Assistant and Student Instructional Assistant at The Ohio State University

I worked in either the Mathematics or Computer Science and Engineering Department for many of the quarters in the listed time span. In the Mathematics Department responsibilities covered assisting students in class with the course material and grading their coursework. I also worked with students who took math courses remotely via the Internet. In the Computer Science Department responsibilities include helping students with questions and grading their labs and homework.