

# ANDREW G. WEST

██████████ — Philadelphia, PA 19103 — ██████████  
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## EDUCATION

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**University of Pennsylvania** (Philadelphia, PA) — Active CIS Ph.D. student

- Fourth-year doctoral student with five first-author, peer-reviewed publications
- Research topics: collaborative security, spam mitigation, reputation management
- Four terms of TA-ship supervising undergraduate research and technical writing
- Qualifying exams complete; Master's degree received in Spring 2010

**Washington & Lee University** (Lexington, VA) — B.S. w/honors in CS, 2007

- 3.75/4.00 GPA in a mathematically-focused, computer science course load
- Received J. Edward Lewis merit-based scholarship, providing full tuition, room, and board
- Thesis: *Bound Optimization for Parallel Quadratic Sieving Using Large Prime Variations*

## COMPUTER LANGUAGES & SKILLS

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- Extremely proficient in development with Java, C/C++, HTML, SQL
- Familiarity with C#, Coq, MIPS Assembly, .NET, Scheme
- Software: AutoCAD, L<sup>A</sup>T<sub>E</sub>X typesetting, Maple (mathematics), Weka
- Operating Systems: Windows, UNIX, Linux (especially Fedora-based distributions)

## TECHNICAL STRENGTHS

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- Programming large scientific computing tasks, especially in parallel environments
- Writing well-documented and *efficient* low-level code
- Effectively proposing and summarizing work using technical communication ability

## RELEVANT EMPLOYMENT HISTORY

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**Alsos Digital Library** (Summer 2006) — Database Programmer/Engineer

- SQL and .NET programming in support of the Alsos Project (<http://alsos.wlu.edu>)
- Worked to improve search methodology, query efficiency, and automation
- Managed close working relationship with content-team

**WV-DEP** (Summer 2005) — Website Design/Computer Assistant

- Website and media design for emerging environmental program
- Excel VB programming to automate data management tasks
- AutoCAD plotting of commercial property deeds

## MEMBERSHIPS AND EXTRACURRICULARS

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- **Member** Pi Mu Epsilon (math honorary) and Sigma Nu (social) fraternities
- **Chair** CS Graduate Student Group (department-wide social programming)
- **Representative** Graduate Student Engineering Group (college-wide student advocacy)
- **Volunteer** Neighborhood Bike Works - Philadelphia, PA