

ZACHARY ALISTAIR WISE

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Education

- Carnegie Mellon University**—Pittsburgh, PA
Bachelor of Science in Computer Science, Mathematics Minor
- GPA: 4.00/4.00 Major, 3.91/4.00 Overall
 - Projected Graduation: May 2012
- Greensburg Salem High School**—Greensburg, PA
High School Diploma
- GPA: 3.97/4.00

Experience

- Software Development Engineer**—Redmond, WA
Microsoft Windows Azure: Summer 2011
- Designed and developed a framework for profiling components of the cloud fabric.
 - Investigated and reported on the profile of cloud fabric components.
- Software Development Engineer in Test**—Redmond, WA
Microsoft Windows Azure: Summer 2010
- Designed and developed an environment for end-to-end testing of the cloud in a single machine.
- Research Assistant, Programmer**—Pittsburgh, PA
Carnegie Mellon Human-Computer Interaction Institute: May 2009–May 2011
- Created interactive web applications for visualizing e-mail patterns with JavaScript and SVGs.
 - Designed server-side solutions for e-mail storage and data aggregation with PHP and MySQL.
 - Assisted in running a user study to validate GUI designs.
 - Maintained an Apache server on a Linux host.
- Linux Programmer**—Pittsburgh, PA
Carnegie Mellon Physics Department: September 2008–April 2009
- Interfaced a computer and network monitoring service with a support ticket system.¹
 - Made extensive use of regular expressions for file format conversion scripts.

Relevant Courses

- 15-867** Animation of Natural Phenomena — Currently enrolled
- 15-463** Computational Photography — Currently enrolled
- 15-462** Computer Graphics — A
- 15-410** Operating System Design and Implementation — A
- 15-453** Formal Languages, Automata & Computability — A
- 15-451** Algorithm Design & Analysis — A — TA Fall 2011

Technical Skills

- Operating Systems:** Linux, UNIX, Windows XP/Vista/7
- Programming Languages:** Java, C, C++, JavaScript, Python, PHP, Perl, MySQL, HTML, \LaTeX , SML
- General:** Able to learn new programming languages quickly

Publications

1. William V. McDowell, Zak Wise, Florin B. Manolache, Octavian Rusu, Manuel Subredu, “Automatic Monitoring of Complex Networks with RT and Nagios”, 8th RoEduNet International Conference, Galati, Romania, Dec 3-4, (2009).