

Nathan Schneirov

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Education **Beloit College, Beloit WI, 2004-2008**

B.A. Computer Science Relevant Coursework: Computer Networking, Software Engineering, Object-Oriented Analysis & Design, Topics in Algorithms

Columbia College, Chicago IL, 2009 Relevant Coursework: Web Programming II, Web Animation

Undergraduate *Nanotes (Columbia College) - <http://beta.nanotes.com/>*

Projects Using PHP, Ruby, MySQL, and Javascript/JQuery/AJAX I developed a note-taking web application to store, sort, search, share, and tag rich-text notes. Notes may be viewed, edited, and deleted without reloading the page. Any note can serve simultaneously as a reminder, optionally notifying the user.

Crimson Core (Columbia College)

Using Adobe Flash and object-oriented Actionscript I developed a side-scrolling space shooter game. The player must shoot and dodge oncoming asteroids and enemy ships that shoot back. Objects obey approximated rules of inertia.

First Year Seminar Placement Program (Beloit College)

I created a Java program for the Beloit College registrar that places incoming freshmen into first year seminars by balancing their most desired courses with the need to maintain even class sizes. Previously, the registrar had placed students by hand.

Peach Growth Simulator (Beloit College)

Peach is a simulator that models the growth of Peaches. First created in Visual Basic, the updated Java version produced inaccurate results. I compared the two versions and created JUnit tests to reconcile the programs' behavior and provide a basis for further development.

Network Analyzer (Beloit College)

I developed an Excel-based front-end to Mathematica which analyzes adjacency matrices by using Mathematica commands to output network graphs as well as other "small world" network data. This project required extensive use of UNIX scripting, Mathematica, and Visual Basic.

Employment **Assistant Cook, Concordia Language Villages (Japanese), Minnesota, 2005**

Cooking for over 100 people required quick decision making under pressure, supervising and managing a group, and working as part of a team.

Activities **Volunteer with a presidential campaign, 2008**

Technical Skills *Languages*

PHP, Actionscript 3, Ruby, Java, Javascript, SQL, X/HTML, CSS, UNIX scripting

Applications

Eclipse, Adobe Photoshop, Adobe Flash, Subversion