

# Micah Wylde

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- EDUCATION
- ◇ **Wesleyan University**, Middletown, CT  
B.A. in Computer Science, expected graduation: May 2012
  - ◇ **Georgiana Bruce Kirby**, Santa Cruz, CA  
June 2008
- WORK EXPERIENCE
- ◇ **Researcher**, Washington University CS Dept. REU (Summer 2010)  
Designed and evaluated real-time scheduling algorithms for utility-aware non-preemptable, stochastic task sets using machine learning techniques in C++. Worked under Dr. Chris Gill.
  - ◇ **Programming manager**, Instructional Media Services, Wesleyan University (2008-present)  
Maintained classroom multimedia technology and academic computing labs. Programmed and designed AMX-based integrated controllers and touch panels. Implemented a touchscreen-based classroom control system in ruby and javascript.
  - ◇ **Crew Chief**, Center for the Arts, Wesleyan University (2008-present)  
Live mixing for shows in Wesleyan's Crowell Concert and World Music halls. Managed other student sound techs.
  - ◇ **Researcher**, Space Science, NASA Ames Research Center (Summer 2007)  
Created theoretical models for interference, noise and compression artifacts in Cassini CIRS (Composite Infrared Spectrometer) data, and wrote software to try to eliminate them, using IDL. Worked under Dr. Jeffrey Cuzzi of NASA Ames.
  - ◇ **Web Developer**, Georgiana Bruce Kirby Preparatory School (2007-2008)  
Redesigned the schools website using CSS and XHTML, built on a heavily-modified Ruby-OnRails content management system, with an administrative side designed such that non-proficient computer users could maintain and update the site. Additionally, integrated with the Schoolweb student portal.
- SKILLS
- ◇ Ruby, Javascript, Haskell, Lisp, C, C++, Python, Java, PHP,  $\text{\LaTeX}$
  - ◇ Linux, OS X, Windows
- RESEARCH
- ◇ AI, crowd simulation, robot navigation, machine learning, real-time scheduling.
- SOFTWARE PROJECTS
- ◇ Roomtroll (Ruby, Javascript, HTML5): classroom automation and control system with a ruby backend and HTML5 touchscreen interface built with Sproutcore and Node.js. Allows professors to control all multi-media equipment easily, while improving remote support and monitoring. Currently in use at Wesleyan University.
  - ◇ Schoolweb (Ruby, Javascript, XHTML, SQL): RubyOnRails based portal designed to ease communication between students, faculty, and parents at high schools. Features include user customizable widgets which can have polls, html, file uploads, or information about sports teams or theater productions and a calendar customized to users clubs, courses, and grade. Integrates with schools grading system, to allow for quick access to students grades. Allows for teachers to input homework for viewing by students and parents. In use at Georgiana Bruce Kirby from 2007 to the present.