

Brian Mock

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Education

B.A., Computer Science, Willamette University, Salem OR expected completion May 2012
GPA: 3.73

Skills

- Programming
 - Ruby, Python, Java, shell scripting (Bash/sh), Perl, C, C++, Haskell, Objective-C, MATLAB
 - CGI programming in Ruby and Perl (HTML, CSS, file input, etc.)
 - Git (on GitHub), Mercurial (Hg), and Subversion (SVN) source control
- Operating Systems
 - GNU/Linux, Microsoft Windows, Mac OS X
- Server Setup
 - SSH and SFTP (OpenSSH), HTTP (Apache, lighttpd), FTP, NFS

Projects

- Created LatteScript programming language (<https://github.com/saikobee/lattescript>) (2012)
- Contributed code to WMFS (GNU/Linux window manager) (<http://wmfs.info/>) (2011)
- Contributed code to Openbox (GNU/Linux window manager) (<http://openbox.org/>) (2011)
- Created universe simulation as part of a team (<https://github.com/saikobee/npcworld>) (2011)
- Created VisInt 3D integral visualizer (<https://github.com/saikobee/visint>) (2010)
- Created MPRW music player web remote control (<https://github.com/saikobee/mprw>) (2010–2011)
- Created 8-Beat music program (<http://eight-beat.sf.net>) (2009)
- Created PyPixel educational graphics library (<https://github.com/saikobee/pypixel>) (2009)
- Instructed Linux command line and GUI workshops (2008 and 2007, respectively)

Work Experience

- Created weather simulation data visualizer at NOAA (2011)
- Tutored Introduction to Programming students (2010–Present)
- Personally tutored local business-person in Linux (2010)
- Co-taught high school Linux OS course (2008)

Achievements

- Gave keynote speech at SuperQuest technology education conference about PyPixel (2011)
- Earned computer science scholarship (Kenneth Batchelder memorial) (2010)
- Earned merit scholarship from Willamette University
- Scored 5/5 on the Advanced Placement AB Computer Science test
- Participated in ACM programming competition (2010)
- Participated in regional programming competition (2007 and 2008)
- Presented on gender equity at Oregon Association for Career and Technical Education (OACTE) conference (2007)