Wayne Manselle

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Date of Birth	13th April 1983	**Email**	wayne@waynemanselle.com

Personal Profile

I am a programming enthusiast who enjoys exploring interesting problems. I have a special interest in those problems whose solutions improve scientific understanding or the human community.

Software Engineering Skills

- **Programming Languages**

  Experienced: *MATLAB, Javascript, HTML+CSS, BASH*
  Proficient: *C/C++, VBA, Java, LaTeX*
  Exposure: *PHP, Ruby, Python, Turbo Pascal, Scheme, QBasic*

- **Technical**

  Debian and Ubuntu Linux - Server Administration
  CVS, git - source version control
  Motion Capture, Magnetic Tracking, EMG, EEG, AMTI Force Plates - Data Collection Systems

Education

2005-2007   MS in Computer and Information Science - The University of Oregon, Eugene, OR

                Project - Haptic Campus Map for the Visually-Impaired

2001-2005   BAs in Computer Science and Philosophy - University of Minnesota, Morris, MN

                Minor: Statistics
                Thesis: Fuzzy Logic Semiotic Systems
                Thesis: Could a Machine Ever Understand?

Professional Experience

Dec 2013 - Present   Chiptunes=Win
Blogger, Editor, Programmer

Technologies: WordPress, HTML5, CSS, Javascript, Google Docs

- Contribute a monthly review column and other articles as necessary
- Edit 2-3 columns monthly
- Create Backend for ChipWINDex
- Curate the list of albums for ChipWINDex
- Assist in planning blog functionality direction

Jun 2007 -
Jan 2015
Woollacott Motor Control and Cognition Lab, University of Oregon, Eugene, OR
Research Assistant

Technologies: MATLAB, Ruby, BASH, Mediawiki, VBA, Cortex, NetStation, E-Prime.

- Provide custom software and hardware solutions to research problems
- Provide direct technical support to lab residents
- Build and maintain lab website
- Responsible for equipment acquisition and research
- Responsible for securing and organizing information resources
- Responsible for lab administative tasks

May 2006 -
Aug 2006
Paul's Bicycling Way of Life, Eugene, OR
Technology Transfer Intern

Technologies: Ubuntu, LaTeX.

- Transition company from Windows to Unix
- Port the in-house developed customer databases
- Write comprehensive technical documentation for new systems
- Instruct staff in use of new systems

May 2004 -
Aug 2004
Southern California Earthquake Center, Los Angeles, CA
Software Engineering Intern

Technologies: Java, Java3D, XML, Eclipse.

- Participate in the redesign of LA3D into SCEC-VDO
- Assist in the design and implentation of system's plugin architecture
- Designed project critical memory optimization for object presentation
- Design and implement the project's ability to save and load system state and catalogs of seismic events

Aug 2003 -
May 2005
Computer Science Teaching and Development Lab, University of Minnesota: Morris, Morris, MN
System Administration Intern

Technologies: Debian Linux, BASH, TWiki, Java.

- Maintain 3 servers and 40 end-user workstations
- Offer tutoring for all students in computer science program
- Develop and maintain lab's technical documentation
- Advise department on technical acquisition and equipment maintenance

Interests

- **Martial Arts: Systema, Aikido, HEMA**
- **Fitness: Running, Hiking, Nutrition**
- **Composition and Review of Chiptune Music**
- **Creative Writing**