

Glen Nathaniel Merritt

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Education

Bowdoin College, Brunswick, Maine.

Class of 2011, current GPA 3.52. Neuroscience, Computer Science & Mathematics major.
Member: Ultimate Team, Northern Bites RoboCup Team, Bowdoin Cable Network.

Lincoln Academy, Newcastle, Maine.

High School, 2003 – 2007. Graduated with high honors.
Member: Math Team, Track Team, Swim Team.

Experience

Android application developer and CTO, June 2010 to present. Co-founded mobile development company [214 Software](#), to translate programming skills into a business. Lead developer of three applications to date.

Gibbons research fellow at Bowdoin College, Summer 2010. Developed and tested a bipedal gait optimization system for the [Northern Bites RoboCup Team](#). Current projects (October 2009 to present) include further work with the motion engine (sensor-based walk stabilization) and the development of a path planning architecture for fluid soccer playing.

Producer of a hidden-camera TV show for the Bowdoin Cable Network, Spring 2009. Involvement including planning, filming, editing and participating in scenes for the show. Currently involved in a similar production, to be released April 2011.

Network Technician at Bowdoin College, September 2007 to September 2010. Duties included diagnosing Ethernet and other network faults across campus. Student manager, in charge of four students, January 2010 to September 2010.

Debian GNU/Linux system installation, management and administration May 2002 to present. Volunteered at Damariscotta Teen Center (2004-2007) and managed the campus-wide deployment of new SSH keys in response to the 2008 Debian vulnerability.

Co-founder of a low cost personal web hosting company, September 2005 to February 2006 ([statikhost.com](#), link now defunct). Managed and promoted the business through word of mouth and forums.

Skills

Experienced in Java and C++. Versed in Perl, Python and Bash, and highly comfortable in Linux environments. Knowledge of HTML and Cascading Style Sheets. Familiar with version control (git, svn & cvs) and large codebases. Some experience with C, with a focus on Linux kernel development.

Highly capable of reading current scientific literature across several fields. Past focuses include machine vision, the hippocampus and amygdala, bipedal motion (robotics), cognitive architectures (AI) and the effects of testosterone and estrogen on memory.

Two semesters experience performing laboratory experiments with rats. Specific past research has focused on the hippocampus's role in spatial navigation using a modified Morris water maze and on the effects of dopaminergic signaling on acute fear memory retrieval. Comfortable with basic neurosurgery (administering lesions, cryostat sectioning) and scope-assisted microdissection.