

LOGAN WILLIAMS

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PROFILE

I am a high school student with interest and experience in electrical and electronics engineering, computer science, and web development. Currently, I am seeking experience in these fields, and eventually, an engineering degree.

EXPERIENCE

Research Assistant, Oregon State University – 2008 to Present

Participated in a bioengineering research project, creating a sensor for measuring cell membrane permeability, in a research laboratory environment. Assisted in engineering the electrical output of the device and data logging applications.

Technology/How-To Writer, Mahalo/Hack-A-Day – 2008 to Present

Write electronics and photography related how to and DIY articles for the popular Hack-A-Day weblog, owned and operated by Mahalo, Inc.

Design Updater, Designer, Eclectric Solutions, Newport, Oregon – 2006, 2007

Created electrical, fluid, and process flow schematics in AutoCAD from given specifications, updated existing schematics with new information, retooled AutoCAD drawings for usability. Designed a professional web presence for Eclectric Solutions, using standards-compliant XHTML and CSS with a PHP backend.

EDUCATION

Newport High School, Newport, Oregon. Graduating 2009. Honor Roll, GPA 4.0 2005-Present

Relevant Courses: AP Physics, AP Calculus AB, AP Computer Science, IB Chemistry, Technical Writing

SKILLS

- Windows 2000/XP, Mac OS X, Linux (and other UNIX based operating systems)
- Technical writing and professional communication
- (X)HTML, CSS, PHP, Java and MySQL
- Microsoft Office, iWork, Open Office
- Electronic circuit design, including microcontrollers, logic, and audio
- Assembly, C/Objective-C
- AutoCAD, LabVIEW

IN SCHOOL EXPERIENCE AND COMMUNITY SERVICE

Co-leader, Newport High School FIRST Robotics Team, Newport, Oregon – 2006 to Present.

Co-founded and organized a team, applied for funding and grants. Scheduled meetings, and managed resources. Designed and built the electrical system of the robot, programmed the robot, and oversaw integration of the different robotics systems.

President, Newport High School Mathematics Club, Newport, Oregon – 2007 to Present.

Solve mathematical problems, discuss mathematics, tutor, help, and educate others.

Tech Manager, Treasurer, Newport High School Drama Club, Newport, Oregon – 2005 to Present.

Co-built the current sound, light and tech system from the ground up, consisting of over 40 lighting instruments. Manage club finances, including, tech purchases, trips, and performance expenses. Acted in several plays. Additionally, participate through acting and tech work for community theatre productions.

Environmental Leader, Newport High Youth For Peace Club, Newport, Oregon – 2005 to Present.

Responsible for coordinating environmental projects, including recycling information and bicycle facilities. Participated in political awareness projects, participated in community service projects including a peace mural and a peace garden.

National Honor Society, Newport, Oregon – 2006 to Present.

Participate in community service projects including helping run a community triathlon.

Newport High School Band, Newport, Oregon – 2004 to 2007.

Participated in Concert Band, Pep Band, Marching Band, and Jazz Band, First Chair Tenor Saxophone. Also participated in the Yachacts Big Band, Yachacts, Oregon.

References available upon request.