
William Osborne

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February 27, 2007

Washington Science Olympiad c/o Jean Cavanaugh
EWU, 203 Senior Hall
Cheney, WA 99004

Dear Washington Science Olympiad board members:

I am interested in running for a position on the Washington State Science Olympiad Board of Directors. I am very interested in seeing our state's students grow in their knowledge and love for the sciences. As a student I saw first hand in my own studies how motivating science competitions can be. I believe Science Olympiad should be aggressive at promoting the organization with the goal of expanding the number of schools and students involved in competitions and in raising the level of performance in the competitions. Having worked for many years in applied sciences with engineers and scientists from around the world I have seen first hand the need for strong science skills for tomorrow's workers. Without these skills our country and its companies will lose their competitive edge. Today's corporations know of the need for these skills, Science Olympiad would benefit from expanded corporate cooperation.

Thank you for taking the time to review my resume. I look forward to talking with you.

Sincerely,

William (Bill) Osborne

Enclosure: Resume

Profile Strong understanding and love of physical sciences, mathematics, computers and kids. Long history of involvement in science competitions. Strong desire to encourage and motivate students to grow their love for sciences through science competitions.

Extensive experience in applied sciences. Many years of leadership experience with a wide variety of science and engineering professionals from around the world.

Science Competition Experience

- Coached several Science Olympiad events, students competed locally and nationally.
- Have 4 children actively involved in Science Olympiad.
- Over the years have competed in many science competitions including winning Chemistry Student of the Year, Egg drop and mousetrap competitions.

Education Masters in Engineering, Cornell University GPA 4.15/4.0 (A+=4.3) *May 1996*
B.S. Mechanical Engineering, University of Colorado, Boulder. GPA 3.82 *May 1987*

Publications

- 28 US Patents. Additional foreign patents and many more applications in progress.
- “Measuring Bubble Nucleation Temperature on the Microscale of a Rapidly Heated Thermal Ink Jet Heater Immersed in a Pool of Water”, Proceedings of the Royal Society of London, 1999

Career History **Hewlett-Packard Company, Inkjet Research and Development** *Aug 1987-current*

Master Architect

- Responsible for technical leadership of the research, design and development of HP’s highest performing thermal inkjet devices. Architectural responsibility for system print quality, document attributes and throughput.
- Performed leading research and development on new product platforms including:
HP Deskjet 1200 series, HP Deskjet 850 series, HP OfficeJet 2000, 2200
Designs and algorithms continue in current products.

Hewlett-Packard Company, Indigo Division R&D, Rehovot Israel *2001-2002*
Expert Level Mechanical Engineer

- Responsible for leading a team in the development of the ink control system for the HP Indigo 5000 digital press.
- Worked with teams of engineers and scientists from around the world.

General Science Skills

- Test and Measurement: Many years of experience with test equipment including laser interferometers, digital acquisition units, oscilloscopes, SEM, optical microscopes. Have developed many fully automated experimental systems.
- Computers: Experience with many computer languages (C, C++, Python, Perl, Matlab, Mathematica). Extensive experience with multiple OS’s and applications.
- Trained in: QFD, DFM, Design of Experiments, Behavioral Interviewing, KT Problem Solving and Decision Making, Mentorship.

**Activities and
Hobbies**

- Actively involved in raising my family of 4 children.
- Enjoy woodworking, mountain biking, ice hockey, dirt biking, traveling.
- Home Projects: Designed our home in 3D, built all cabinets, framed, wired (high and low voltage), plumbed – extensive “hands on” experience.
- Have held multiple leadership positions in local organizations.

