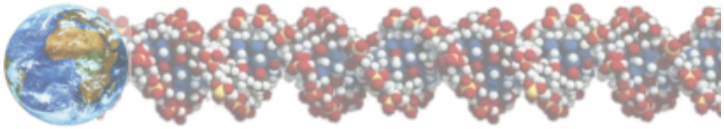

BRADY OLSEN

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503-330-0303

Education:

College	B.S. Biochemistry (June 2008), University of Washington
Coursework	Human Genetics, Prokaryotic Genetics, Genomics & Proteomics, Biochemistry Lab Techniques, Organic Chemistry, Computational Chemistry, Data Structures & Algorithms, Artificial Intelligence

Work Experience:

Trask Lab, Fred Hutchinson Cancer Research Center (9/1/2007-present)

- Studied gene regulation complexes using a PCR-based chromosome conformation assay.
- Developed software for mapping genome-wide motifs using a published algorithm.
- Studied gene expression levels in a knockout mouse strain using RT-qPCR.

Gordon Lab, UW Dept. of Physiology/Biophysics (autumn-spring, 2006)

- Developed a Java simulation for a concerted protein-ligand interaction model to help students learn the model.

Maxim Integrated Products Internship (summer, 2006)

- Worked in yield enhancement.
- Designed and deployed a wafer scratch database system.

Maxim Integrated Products Internship (summer, 2005)

- Wrote a graphical user interface for programming a Field Programmable Gate Array, allowing engineers to test the device.
- Wrote a block diagram design tool that allows Visual Studio developers to easily draw schematics during design-time.

Harris Hydraulics Lab, UW (winter, 2005)

- Studied the thermal motion of microscopic particles using a light microscope and statistical analysis.

Maxim Integrated Products Internship (summer, 2004)

- Developed and implemented an Intranet based software submission system.

Maxim Integrated Products Internship (summer, 2003)

- Designed and developed visualization software for an RF spectrum analyzer.

Oregon Graduate Institute Internship (summer, 2002)

- Programmed a graphical display for an autonomous vehicle neural network model

Skills:

Laboratory	PCR, qPCR, DNA/RNA isolation, reverse transcription, RACE, electrophoresis, gel purification, subcloning, streak/patch plating, SDS-PAGE, ELISA, spectrophotometry, affinity chromatography
Bioinformatics	UCSC Genome Browser, Primer3, Blast, HapMap, OMIM
Programming	C/C++, Java, Php, Perl, MySql, Vb, Uml, .Net, JavaScript, Ajax
Software	Word, Excel, PowerPoint, Access, Linux, Eclipse, R

Achievements:

Mary Gates Research Scholar	University of Washington *(2007)*
Rotary Award in Computer Science	Tigard High School *(2003)*