Austen Ruzicka

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Software Engineering Knowledge and Skills

- Use of sound programming principles to design, implement, test and optimize a software package to detect an intermittent image generation error in electron microscope software
- Extensive experience writing regression tests for electron microscope software
- Experience working with client-server architecture and observer patterns
- Frequent use of C++ and C# in an industry setting

Work Experience

FEI Company – Hillsboro, Oregon
R&D MECOP Intern, March 28, 2016 to September 16, 2016
- Special assignment as an intern to develop software to detect and correct an error with the microscope software
- Responsible for writing regression tests for positioning of the stage on an electron microscope
- Implemented an interface to fire a synchronous event from the microscope server to the test application

Gresham Fred Meyers – Gresham, Oregon
Dairy Clerk, July 2013 to March 2016
- Provide customer service and also oversee the dairy department, which included inventory, conditioning and stocking of the shelves

Technology Summary

- Expert Skill Level: C#
- Intermediate Skill Level: Visual Studio .Net, Java, Python, C++, SQL, UML, RTC Source Control
- Basic Skill Level: JavaScript, Linux, C, PHP, IDL, Microsoft COM

Education

Portland State University, Portland, Oregon
Pursuing Bachelor of Science in Computer Science, Expected Graduation: April 2017
Cumulative Grade Point Average: 3.84
- Academic Honors: President's List (8 terms), Dean's List (4 terms)

Center for Advanced Learning – Gresham, Oregon
High School Degree Emphasis in Engineering/Manufacturing, June 2010

Other Information About You

In addition to being proficient in programming, I have almost three years of liberal arts Psychology education. I have experience in industry as well as in other job settings.