

CHASITY SAVELLA

Beaverton, OR 97078
chastity.s.savella@intel.com

1 PROFESSIONAL SUMMARY

A current full-time software engineer for the Validation Engineering Group at Intel Corporation, in the process of earning a Master's degree in computer science. Dedicated to implementing coding solutions that utilize industry leading standards and best practices. Energetic and enthusiastic at heart and excels in a team setting.

2 EDUCATION

Portland State University

Portland, OR
Major: Computer Science
Currently enrolled
Expected degree: Master of Science
Expected Graduation Date: June 2021

Pacific University

Forest Grove, OR
Major: Chemistry
Minor: Biology
Bachelor of Science in Chemistry

3 COMPUTER SCIENCE COURSEWORK

Intro to Computer Science - recursion, functions, classes, linked lists, arrays, basic C++

Data Structures - array of LLL, CLL, DLL, trees, abstract data types, intermediate C++

Computer Systems Programming - computer architecture, exceptions, processes, memory hierarchy, system calls, assembly, C

Programming Systems - object-oriented programming, advanced C++, Java

Discrete Structures I and II - techniques for computing

Elements of Software Engineering - full stack development, UML, advanced Java, SQL, database implementation

Computational Structures - computability and complexity

Languages and Compiler Design - principles of programming languages and language implementation by compilation

Operating Systems - system services, file systems, resource management, synchronization, process cooperation and interference. Introduction to networks, protection, and security

Introduction to Databases - schema design and refinement. Query languages. Database application environments. Physical data organization

Algorithm Design and Analysis - models of computation, sorting, data structures, graph algorithms, matrix multiplication, fast Fourier transform, polynomial arithmetic, pattern matching, and NP-complete problems

Programming Languages - current and historical issues in the design, implementation, and application of programming languages

Code Reading and Review - code quality with a focus on the comprehension and constructive criticism of program source code

Software Engineering - current methodologies for the development of large, industrial strength software systems

Software Implementation and Testing - Theoretical and practical aspects of the software lifecycle, detailed design, implementation in a programming language, testing, and maintenance

4 RELEVANT WORK EXPERIENCE

Intel Corporation

Software Engineer

Hillsboro, OR

June 2015 – present

- Worked on a team of engineers implementing a multi-component and distributed system
- Assisted in redesign and implementation of system debug tool applications packaging process
- Generated installation packages for various debug tool applications using InstallShield
- Completed installer modification for maintenance and bug fixes using Visual Studio and TeamCity
- Edited, modified and debugged software products in accordance with software architecture specifications and internal procedures
- Performed development tasks, including writing, debugging and profiling source code
- Implemented and edited the build framework in accordance with software validation plans
- Communicated the test results to the team and tracked the resolution of problems that occurred in database
- Designed and implemented rpm package solutions for installation of debugging tools on Windows, Linux, and MacOS

Portland State University Computer Science Department

Programming Systems Technical Course Support Specialist

Portland, OR

March 2015 – June 2015

Programming Systems Student Grader

- Instructed students through laboratory assignments involving object-oriented programming, advanced C++, and Java
- Graded programming assignments and written homework assignments.

5 TECHNICAL SKILLS

- Programming languages: C#, C++, C, Java, Python, InstallScript, vbscript, PowerShell
- Object-oriented programming
- Memory management
- Advanced data structures
- Test automation
- Development environments: Visual Studio, Xcode, Eclipse, and IntelliJ Idea
- Experience with Windows command line and Linux command line
- Tools: Rally, TeamCity, InstallShield, Jenkins, Azure
- Console application development and integration with RESTful API
- Agile methodologies
- Version control systems: Git, Subversion, Perforce
- Knowledge of Internet applications architecture (n-tier architecture, SQL-based database engines, etc.)
- Knowledge of Windows and Linux operating systems (as OS user and OS administrator)