

Shawn E. Crabtree

3820 NW Sylvan Dr.
Corvallis, OR 97330
(503) 381-1734
crabtres@oregonstate.edu
<https://github.com/shawncrabtree>

EDUCATION

Bachelor of Science, Computer Science
Bachelor of Science, Mathematics
Oregon State University, Corvallis, OR, expected August 2016
GPA: 3.90

WORK EXPERIENCE

Student Developer II April 2014 to March 2015, August 2015 to present
Center for Applied Systems and Software, Oregon State University

- Develop web applications and other software for a range of Oregon State University affiliates as well as other businesses
- Manage software projects and teams

Software Developer Intern March 2015 to August 2015
Cambia Health Solutions, Portland, OR

- Add features to web applications
- Create DataStage jobs primarily to process large data sets
- Create automated testing suites using the FitNesse testing framework

PROJECTS

Oregon State University Honors College

Web application for tracking the entire student lifecycle in the Honors College. Allows student's to apply to the honors college, tracks completion of thesis and degree requirements, and helps alumni continue participating in the Oregon State University community. This project was build using Salesforce and contains many Microsoft SSIS packages for synchronizing student data with university records.

Smarter Balanced Assessment Consortium

Allows students to take standardized assessments through a web application and allows administrators to make updates to the assessment items. This projects was developed using many tools including AngularJS, JSP, and C# console applications.

USDA Small Fruits and Breeding

Web application created using .NET MVC to allow Small Fruits and Breeding researchers to better track their breeding program and pursue their research.

Cambia Care Coordination

Large scale project using health insurance records to implement gains share, care coordination fees and attributions to provider networks in many states around the country. This project included and ASP .NET Webforms application, many Datastage jobs for transferring data between insurance agencies, as well as a large testing framework build from Selenium in Java.

TECHNICAL SKILLS

Programming Languages

C, C++, C#, Java, JavaScript, Python, and R

Query Languages

SQL, SOQL, and PL/pgSQL

Web Frameworks

Microsoft .NET ASP and MVC, AngularJS, and Salesforce

Front-End Web Design

HTML, CSS, Javascript, JQuery, and Bootstrap

Data Manipulation

Microsoft SSIS, DataStage

Source Control and Project Management

Git, TFS

Technical Writing

Documenting software, writing vision and scope documents

COURSEWORK

Mathematics

Calculus, Series and Sequences, Differential Equations, Basic Analysis, Linear Algebra, Abstract Algebra, Numerical Analysis, Computational Number Theory, Applied and Computational Algebra, Systems of ODEs, Numerical Solutions to ODEs, Probability, Mathematical Modeling

Computer Science

Operating Systems, Software Engineering, Computer Networks, Data Structures, Databases, Mobile and Cloud Development