

CS STUDENT2

Software Engineer

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📍 Boise, Idaho 83703

WORK EXPERIENCE

Engineer

Kemper Northwest

📅 August 2016 – Present

📍 Caldwell, Idaho

- Created industrial process control software for ammonia refrigeration relief systems
- Wrote software to enforce legal code compliance of industrial refrigeration systems
- Communicated with refrigeration engineers to create a friendly UI
- Designed testing suite to test desktop applications
- Implemented automatic report generation to demonstrate flaws of refrigeration systems
- Updated legacy VBA code to Java

Engineering Intern

Diedrich Manufacturing

📅 May 2015 – August 2015

📍 Sandpoint, Idaho

- Trouble shot electromechanical systems in industrial coffee roasters
- Used SolidWorks to draft parts, assemblies, BOM's, and drawings

PROJECTS

Java Interpreter: Individual Project [Java, Eclipse]

- Created ad-hoc scanner and recursive descent parser to build a strongly typed parse tree which was then traversed and evaluated

B-Tree: Group Project [Java, Eclipse]

- Created B-tree data structure that minimized disk reads to represent sequences in the human genome

NFA Constructor: Group Project [Java, Eclipse]

- Created a program that would construct an equivalent nondeterministic finite automata given a regular expression

Smash: Individual Project [C, Make]

- Created a command line interface similar to the Unix Bash shell

Boing Robotic Manufacturing Cell: Group Project

- Used a Denzo robotic arm to automate the riveting process of various sheet metal parts

Simplex 1911 Engine: Group Project [AutoCAD]

- Created a SolidWorks assembly of an engine given the original hand drawings and physical model

EDUCATION

Bachelor of Science in Computer Science

Boise State University - GPA: 3.3

📅 August 2017 – May 2019

- Web Development
- Databases [spring 2019]
- Human Computer Interaction [spring 2019]

Bachelor of Science in Mechanical Engineering

University of Idaho - GPA: 3.5

📅 August 2012 – June 2016

TECHNICAL SKILLS

Languages

Java C HTML CSS JavaScript
SQL PHP

Tools

Eclipse Net Beans Visual Studio
Apache Web Server Make GDB
Visual Studio

Frameworks/Libraries

JavaFX ASP.NET Core

Computer Aided Design

AutoCad Solid Works CATIA

HOBBIES

- Basketball
- Scuba Diving
- Chess
- Paintball