

# Heidi Snell

Software engineer with diverse background in programming, process improvement, and chemical engineering. Often praised for great attention to detail. Eager to learn new technologies and solve hard problems. Proven to be self-motivated and able to remain goal-focused under pressure.

## EXPERIENCE

### **Tempus Labs, Inc. — Automation Engineer**

August 2021 - PRESENT

Eliminated 600+ hours of paperwork per year by developing Google Script Web Apps using JavaScript and HTML that automated paper records.

Experienced using dataframe APIs for backend development, creating intuitive UI for simple apps, and developing projects from conception through deployment and maintenance.

Taught coworker how to use GitHub for collaboration and version control. Used Jira for agile project management.

### **Tempus Labs, Inc. — Quality Control Technologist**

April 2021 - August 2021

Write and update SOPs to keep up with the fast paced, rapidly growing lab.

Communicate with upper management, automation and equipment teams, and lab staff to streamline workflows and prioritize tasks.

### **Tempus Labs, Inc. — Molecular Technologist**

August 2020 - April 2021

Use cutting-edge clinical automation and robotics to extract and amplify nucleic acids with rapid turnaround times.

### **Bread and Butter Bakery — Assistant Retail Manager**

February 2020 - June 2020

Handle all daily transactions, guide customers through an online ordering system over the phone, and provide detailed information on all products.

## EDUCATION

### **Iowa State University, Ames IA — B.S. Chemical Engineering**

Sep 2015 - Dec 2019

Captain of the competitive climbing team, participated in Hackathon, volunteered and participated in Outdoor Recreation Programs.

Independently planned and completed 486 mile through-hike of Colorado Trail between semesters.

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## SOFTWARE

Experienced

- JavaScript
- HTML
- Git/GitHub
- Excel Solver/Macros
- Aspen Plus V10
- Jira

Intermediate

- CSS
- Java
- Python
- VBA

Novice

- Docker
- C++

## EXTRA PROJECTS

**Sudoku Solver**

Implemented a backtracking algorithm to solve Sudoku number puzzles. Written in Java.

**UNIFAC Model**

Modeled vapor-liquid equilibriums for binary, non-ideal mixtures using the UNIFAC semi-empirical model. Written in Java.

**Chemistry Helper App**

Hackathon project. Created a simple app for easy access to info on the periodic table. Written in Java.