

# Russell Steadman

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## Education

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### The Ohio State University

BACHELOR OF SCIENCE, CHEMICAL ENGINEERING  
Cumulative GPA: 3.63

Columbus, OH

August 2018 - May 2023

## Skills

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**Programming Languages:** JavaScript, MATLAB, HTML, CSS, Terraform

**Software:** Bluebeam Revu, Microsoft Project, Microsoft Visio, Git, SolidWorks, Excel, OSISoft PI

**Soft Skills:** Project Management, Troubleshooting, Meeting Planning/Notetaking, Cross-functional Coordination

## Work Experience

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### Catalent Biologics

PROCESS ENGINEERING CO-OP

- Coordinated and planned \$13m in engineering projects; led team meetings
- Worked with cross-functional team to solve equipment and processing irregularities
- Adapted to heavily regulated environment; performed 21CFR11 validation

Bloomington, IN

August 2020 - Present

### OSU Engineering Education Department

TEACHING ASSISTANT

- Directed students during labs; graded student reports
- Generated new curricula and course content
- Led website development team; decreased operating costs by 60%

Columbus, OH

August 2019 - Present

### Officeparty

SOFTWARE ENGINEER

- Set team goals and timelines; directed 3 other developers
- Worked with Amazon Web Services (AWS)

Hanalei, HI

May 2020 - December 2020

## Projects

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### Catalent In-spanion

PROJECT TO DOUBLE OPERATING CAPACITY OF CATALENT BLOOMINGTON'S DRUG SUBSTANCE LINE

- Contacted equipment vendors, evaluated equipment technical specifications, reviewed quotes
- Drew and refined equipment and room layouts
- Evaluated regulatory concerns in over 200 controlled documents and 150 controlled drawings

Engineering Project Management

May 2021 - August 2021

### Engineering Education Journal System

SYSTEM FOR FIRST-YEAR HONORS ENGINEERING STUDENTS TO PROVIDE FEEDBACK AND REFLECT

- Developed system from scratch designed to scale for use by over 400 students
- Applied regulatory knowledge to navigate FERPA, ADA, and data security compliance

Software Development

April 2021 - September 2021

### Catalent DirectAF Calculator

TECHNICAL TOOL TO CALCULATE CHROMATOGRAPHY RESIN HEALTH WITHOUT RUNNING HEALTH CHECK

- Created computational tool to automate retrieval and analysis of chromatography UV data
- Implemented mathematical analysis to monitor health \$500k-\$1m in resin

Software Development

October 2020 - December 2020

### Lab-on-a-chip Design Project

RESEARCHED AND DESIGNED LAB-ON-A-CHIP TO SCREEN FOR SCHIZOPHRENIA USING DROP OF BLOOD

- Designed 3D chip using SolidWorks (russell.run/3dchip)
- Won 2 scholarships for design and documentation

Research & Design

January 2019 - May 2019