

Current Address:  
783 Montclair Drive NE  
Albany, OR 97322

# Jaiden Hodson

Contact Information:  
jaidenhodson1013@gmail.com  
(503) 616-1345

## EDUCATION

Oregon State University  
Bachelor of Computer Science  
Focus: Mobile and Web Application Software

Corvallis, OR  
Graduated June 2022  
GPA 3.74

South Albany High School  
Graduated with Honors (3rd ranking GPA in class of 2018)  
Focus: STEM

Albany, OR  
Graduated June 2018  
GPA 4.20

**Skills & Languages:** Full Stack Development, Object-Oriented Programming, Github Management, Cybersecurity Focussed, System Administration, Data Structures, Scrum/Agile Lifecycle, Test Automation.

## PROJECTS

### HelpingMyFriend.com - Senior Capstone Project (Oregon State University)

Corvallis, Oregon  
August 2021 – Present

- Developed and launched full stack application for production use:
  - Frontend GUI built using EJS as the rendering engine.
  - Backend REST API built using Node.js and Express.
  - API documentation organized using Postman and SwaggerHub.
  - Backend database managed using MongoDB.
  - Payment processing connected with PayPal's developer API.
  - Servers hosted within Heroku Dynos and MongoDB Atlas.

### Advanced Web Development - CS 499 (Oregon State University)

Corvallis, Oregon  
Jan. 2022 – March 2022

- Developed frontend GUI for gathering information on Marvel's comics:
  - ReactJS used as the web framework for server development.
  - Marvel's Developer API used for data retrieval.
  - Bootstrap used for initial UI components.
  - Styling implemented using Emotion's Styled Component method.
  - Demo site hosted using Github Pages.

### Cloud Application Development - CS 493 (Oregon State University)

Corvallis, Oregon  
April 2021 – June 2021

- Developed REST API mirroring requirements of a music streaming application:
  - Node.js and Express used for the server setup.
  - Containerization of the servers adopted using Docker.
  - MongoDB used to store API data.
  - Authentication and authorization implemented using JSON web tokens.
  - API rate limiting enabled using Redis.
  - File data stored using GridFS.
  - Offline work performed and monitored using RabbitMQ.

## Relevant Coursework

Mobile Software Dev (CS 492)	Network Security (CS 478)	Computer Graphics (CS 450)
Operating Systems II (CS 444)	Cryptography (CS 427)	Defense Against the Dark Arts (CS 373)
Software Engineering (CS 361/362)	System Administration (CS 312)	Web Development (CS 290)