Strother **Woog**
Software Engineer

• Contact

Santa Cruz, CA, 95060

(805) 366-5482

strowoog@gmail.com

linkedin.com/in/strother-woog/

• Skills

Intuitive with Software

Object-Oriented Design

Data Structures & Algorithms

Computer Complexity Theory

Full-Stack Web Development

RESTful API Experience

E-Commerce Platforms

Adobe Photoshop & Illustrator

Sony Vegas Pro Media Suite

Microsoft & Google Office Suite

Team-Orientated

Dependable

Responsible

Flexibility

Dedicated

Languages: Python, Javascript, Java, C, HTML, CSS, C#(Xamarin), Scala, Prolog, Haskell, RISC-V, MIPS

Databases: MongoDB, AWS DynamoDB, MySQL, Firebase

Front End Frameworks: React.js, Vue.js, Bootstrap, Material-UI

Back End Frameworks: Express.js(Node.js), Flask, Django

DevOps: GitHub, Slack, Amazon Web Services, Netlify, Heroku

Command Line: Unix, CMD

• Education

2017-09 - Current

B.S. in Computer Science

University of California, Santa Cruz - Santa Cruz, CA
- "Honors in the Major" with a 3.50 GPA

• Work History

2019-09 - 2020-04

Software Engineering Intern

Infinite Options LLC, San Jose, CA
- Used Xamarin, the cross-platform development language, to write code for the Android/iOS mobile platform, web development through React.js and Python's Flask, while maintaining SQL and NoSQL databases and deployment through Amazon Web Services
- Coordinated with fellow developers to evaluate and improve software and hardware interfaces for web and mobile platforms using GitHub version control
- Provided customized admin reports displayed using Flask and Python to access, sort, and manipulate a JSON based DynamoDB database on Amazon Web Services
- Provided engineering support to Serving Now and Prep To Your Door team during the development phase of the project

• Projects

Thumper Streams
- My recent project is a no sign-up streaming platform based on WebRTC technology and built using React, Node, and Socket.io in combination with the Simple-Peer library.

Prep To Your Door
- Working on a team at InfiniteOptions to help a startup create a responsive web app for full integration of subscription services and meal ordering using a React.js frontend, Flask backend, Bootstrap CSS styling, and AWS RDS database.

SubSaver Chrome Extension
- Chrome extension to help people monitor how often they use subscriptions to determine if it is worth paying for, developed with a team of friends at CruzHacks 2020.

ServingNow Meal Ordering
- Worked with a team at InfiniteOptions to help bring a gig economy-oriented web/mobile app for farmers to market using Xamarin, Flask backend, and AWS DynamoDB.

Coursework at UCSC
- Fundamental programs that display proficiency for important data structures and algorithms in Computer Science.
- **CSE 146 Ethics & Alogirhtms:** Used machine learning to calculate income inequality in the New York boroughs based on 2016 census data, results consistent with past studies.

RESTful Web Client
- A basic RESTful structured website built on Node.js and Express.js framework which simply scrapes data using Cheerio.js to store in a MongoDB database.

Sorting Mobile App
- Hybrid mobile application built on the Xamarin platform that sorts lists of user input using the insertion and merge-sort algorithms, comparing their performance.