

JONATHAN CHEN

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EDUCATION

University of Washington – Seattle

Expected Graduation: June 2022

B.S. Computer Science, Minor in Statistics & Chinese

- 3.89 Cumulative GPA (Annual Dean's List – 2018-2020)

WORK EXPERIENCE

Full Stack Software Engineering Intern – Docugami

June 2019 – Present

Kirkland, WA

- Expanded functionality of the internal customer management tool by developing C# Azure Functions for recurring tasks and connecting them to the frontend view using Blazor Webassembly, reducing customer configuration and onboarding time by ~700%
- Enabled third-party product integration with Dropbox by establishing two-way data synchronization between Docugami and Dropbox, working directly with the React web app and the Dropbox SDK
- Ported legacy code for various microservices to updated Python Azure Functions
- **Tools:** C#, Blazor Webassembly, Python, JavaScript, React, Azure Functions

Lead Software Engineer – Orion Aerospace

February 2020 – Present

- Orion Aerospace is a team of four Seattle-based engineering students passionate about aerospace and rocketry, documenting our model rocket building process to an audience of 1.7k subscribers on YouTube
- Our current build flaunts a robust thrust vector control system, mechanical parachute deployment, and an onboard camera, scheduled for launch in November 2020
- Designed ground support engineering (GSE) user interface to process and display live launch data and assisted in development of custom flight software
- **Tools:** Python, C, Plotly Dash
- www.youtube.com/orionaerospace

Lead Undergraduate Teaching Assistant – Paul G. Allen School of CSE

Dec 2019 – June 2020

Seattle, WA

- Responsible for leading weekly class sections for 25+ students, holding office hours, writing exam questions, and grading assignments for the two quarters of CSE 351 (The Hardware/Software Interface)
- **Tools:** C, Linux, Docker

PROJECTS

Restaurant Generator iOS/Web App – RAFT

May 2020 – Present

- Developed an iOS application that generates a random restaurant that matches a user's selected filters (location, price, cuisine, ratings, etc.)
- Created a responsive web app equivalent for mobile phones, tablets, and laptops using Python Django
- **Tools:** Swift, SwiftUI, Python, Django, JavaScript, Yelp Fusion API

Sorting Algorithm Visualizer

Sept 2019 – Dec 2019

- Created a React.js web app to visualize 5 common sorting algorithms (bubble, insertion, selection, merge, quick)
- Implemented a fully responsive UI for desktop, tablet, and smartphone devices
- **Tools:** JavaScript, React, HTML, CSS
- www.jonathanchen.io/sorting-visualizer

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, Swift, HTML, CSS

Runtimes/Frameworks: .NET Core, Blazor WebAssembly, Django, React, Bootstrap