

JONATHAN CHEN

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EDUCATION

University of Washington – Seattle

Expected Graduation: December 2021

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

- 3.89/4.00 Cumulative GPA (Annual Dean's List 2018-2020)

WORK EXPERIENCE

Software Engineering Intern – Docugami

June 2019 – Present

Kirkland, WA

- Drastically expanded functionality of the internal customer management tool by developing C# Azure Functions for recurring tasks and connecting them to the frontend using Blazor Webassembly
- Reduced customer configuration and onboarding time by over 3000%
- Spearheaded third-party product integration efforts by establishing two-way data sync between Docugami and Dropbox, demonstrating future partnership potential
- Ported legacy code for various microservices to updated Python Azure Functions
- **Tools:** C#, Python, JavaScript, React, Blazor Webassembly, Azure Functions

Software Engineering Lead – Orion Aerospace

March 2020 – Present

Seattle, WA

- Orion Aerospace is a team of four Seattle-based engineering students passionate about aerospace and rocketry, documenting our rocket building process to an audience of 1.8k subscribers on YouTube
- Current build scheduled for launch in November 2020, flaunting a robust thrust vector control system, onboard cameras, and mechanical parachute deployment
- Designed custom ground support engineering UI to process/display live flight data and assisted in development of proprietary launch software
- **Tools:** Python, Plotly Dash
- www.youtube.com/orionaerospace

Lead Teaching Assistant (CSE 351) – Paul G. Allen School of CSE

Dec 2019 – June 2020

Seattle, WA

- Led weekly class sections for 25+ students, held office hours, wrote exam questions, and graded assignments for two quarters of CSE 351 (The Hardware/Software Interface)
- **Tools:** C, Linux, Docker

PROJECTS

Restaurant Search Engine Mobile App – RAFT

January 2020 – Present

- Developed an iOS application that generates a restaurant based on user-selected search terms and filters (i.e. location, price, cuisine, ratings, etc.)
- Ported native Swift code to a React Native codebase for Android/iOS cross-compatibility
- Created a responsive web app equivalent for desktops, tablets, and smartphones
- **Tools:** Swift, SwiftUI, JavaScript, React Native, Python, Django, Yelp Fusion API
- www.github.com/jonathanchen7/raft

Sorting Algorithm Visualizer

Sept 2019 – Dec 2019

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