**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 one-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*