Steven S Wang

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Summary

- **I am a biologist looking to transition into the software industry**.
- I am currently a junior at a local college studying Application Development
- Looking for a junior level position or internship in Software Engineering

Project

Hot dog Cart Web App   ◆ https://hotdog-webapp.netlify.app   ⌗ github.com/shipitsteven/hot-dog-web-app

- Full stack web app that emulates a hot dog cart business site. It has three distinct views (customer, vendor, admin) with unique functionalities for each type of users
- Built with React, Node.js (Express), MySQL, Semantic UI, Google Maps, Places and Geocoding API. Uses Formik and Yup to handle front-end form validation
- RESTful API with full API documentation & example code. Data modeling with ERD and SQL scripts.

Experience

Research Scientist/Engineer Assistant   **October 2019 – Present**

University of Washington @ NOAA Alaska Fishery Science Center

- Built a new version of an old web app to integrate with the new NOAA fisheries website. Pending approval to migrate to public server. [Bootstrap, JavaScript, PHP, MySQL]
- Generate data reports to track production metrics; simplified the process for quarterly performance reports and lightened the load for our DBA. [SQL, Oracle RDBMS, Microsoft Access]
- Analyze fish stomach content to generate data for ecosystem studies that may ultimately influence commercial fishing regulations. Validate and reconcile data to ensure data integrity.

Fishery Biologist I   **June 2019 – September 2019**

Pacific States Marine Fisheries Commission @ NOAA Alaska Fishery Science Center

- Collected and annotated > 60,000 images for Machine Learning/Artificial Intelligence (ML/AI) algorithm to automate marine species identification
- Applied image processing and QC techniques to ensure data quality for end users
- Collaborated with University of Washington researchers to further development of marine EM systems

Fisheries Observer   **December 2016 – June 2019**

Saltwater Inc. / Alaskan Observers Inc. / TechSea International Inc.

- Worked cooperatively with crew onboard fishing vessels in Alaska, Washington, and Hawaii to collect fisheries dependent data and reported to NOAA fisheries

Education

North Seattle College   **Expected: June 2022**

Bachelor of Applied Science – **Application Development**

Courses: Data Structure & Algorithm, Web Application Development, Mobile Application Development, Database Technologies, and Project Management

University of California, Santa Barbara   **Graduated: June 2016**

Bachelor of Science – **Biological Sciences**

Technical Skills

- **Languages:** Java, JavaScript, Python, SQL, R, YAML, PHP, HTML, CSS
- **Tools:** React, Node.Js, Express, Git, MySQL, MongoDB, Bootstrap, Semantic UI, JUnit, Unix CLI, Markdown, Jupyter Notebook, R Studio