**Summary**

Software Engineering student with previous background in scientific data collection and data production. Strong knowledge in Java, modern Web technologies (HTML, CSS, JavaScript) and relational database systems.

**Technical Skills**

* **Language:** Java, JavaScript, SQL, Python, HTML, CSS
* **Tool:** Git, Node.Js, MySQL, JUnit, IntelliJ IDEA, VS Code, Unix CLI, Anaconda
* **Experienced** in both MacOS and Windows OS

**Projects**

[Fill in here]

**Education**

**North Seattle College Expected: June 2022**

Application Development B.A.S

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

Biological Science B.S.

**Experience**

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

*University of Washington / NOAA Alaska Fishery Science Center*

* Analyze food content of commercially important fish species
* Generate data for food web, food habits, life history studies and stock assessment
* Participate in annual bottom trawl surveys in Bering Sea, Aleutian Islands & Gulf of Alaska
* Maintain fish & invertebrate specimen collections
* Use Good Laboratory Practices & safely handle flammable and carcinogenic chemicals
* Work with data managers to ensure data quality

**Fishery Biologist I – Gulf of Alaska Survey Biologist June 2019 – September 2019**

*Pacific States Marine Fisheries Commission / NOAA Alaska Fishery Science Center*

* Participate in the field party of bottom trawl survey along Gulf of Alaska
* Identify fishes, invertebrates, corals, and other marine life forms to appropriate taxonomy
* Collect length and sex frequency data
* Collect fish otolith samples, shark tissue samples, and whole fish specimens
* Complete special projects e.g. rockfish genome sample collection, sponge specimen collection, and fish stomachs collection
* Maintain and collect data for electronic monitoring (EM) system onboard vessel
* Annotate EM data for artificial intelligence/machine learning program for automated fish identification and sizing purposes
* Collaborate with University of Washington researchers to further development of EM systems aboard fishing vessels

**North Pacific Groundfish Observer December 2016 – June 2019**

*Saltwater Inc. / Alaskan Observers Inc.*

* Work aboard fishing vessels in waters of Alaska and Washington
* Record fishing effort, location, and total catch information
* Sample to determine the species composition of the catch
* Data entry, maintain paper forms and digital data base
* Collect biological information such as size frequencies and sex ratios
* Collect biological specimens
* Monitor for and document compliance with fishing regulations
* Record incidental takes and interactions of marine mammals and seabirds with fishing gear and vessels
* Complete a post cruise debriefing with NOAA Fisheries Biologists

**Pacific Islands Fishery Observer October 2017 – March 2018**

*TechSea International Inc.*

* Work aboard fishing vessels in waters near Hawai’i islands
* Collect catch effort data with GIS and onboard navigational systems
* Collect biological information from target and non-target species
* Record catch and discard rates
* Verify fishing gear types and sizes
* Collect catch and interaction rates of sea turtles
* Collect gear interactions with seabirds and marine mammals
* Record sightings of protected species
* Collect biological samples from selected species
* Inquire and relay valuable economic survey data
* Record and collect marine debris data at sea
* Complete a post cruise debriefing with NOAA Fisheries Biologists

**Foreign Language**

* Mandarin Chinese (native fluency)