**Summary**

* Software Engineer with background in scientific data production and analysis.
* Experienced with object-oriented programming in Java; versed in modern web technologies and frameworks; working knowledge in SQL and NoSQL databases; practitioner of version control (git) and Agile methodologies; familiar with CI/CD and QC practices.
* Quick to learn new libraries and frameworks. Excellent written and verbal communication. Tier 1 federal security clearance.

**Technical Skills**

* Languages:Java, JavaScript, Python, SQL, YAML, PHP, HTML, CSS
* Tools: Git, Node.Js, React, MySQL, MongoDB, Bootstrap, Semantic UI, JUnit, Unix CLI, Jupyter, Markdown, and various libraries for Java, JavaScript, and Python

**Experience**

Research Scientist/Engineer AssistantOctober 2019 – Present

*University of Washington @ NOAA Alaska Fishery Science Center*

* Update old web applications with current technology (React, Bootstrap, Node.Js, etc.) to integrate with the new NOAA fisheries website
* Write SQL queries to generate data reports & track production metrics
* Analyze fish stomach content to generate data for ecosystem studies that may ultimately impact fishing quota

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 ObserverDecember 2016 – June 2019

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

* Worked cooperatively with fishing crew onboard 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, Database Technologies, and Project Management

University of Washington – Non-matriculated student Autumn 2020

Course: CSE 154 Web Programming

University of California, Santa BarbaraGraduated: June 2016

*Bachelor of Science* – Biological Sciences

**Foreign Language**

Mandarin Chinese (native fluency) – 中文