Steven S Wang

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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 Assistant   October 2019 – Present

University of Washington @ NOAA Alaska Fishery Science Center

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

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 fishing crew onboard vessels in Alaska, Washington, and Hawaii
- Collected fisheries dependent data and reported to NOAA fisheries

Education

North Seattle College   **Expected: June 2022**

   Bachelor of Applied Science – **Application Development**

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

   Bachelor of Science – **Biological Sciences**

Foreign Language

   Mandarin Chinese (native fluency) – 中文