Nathan Koike

Software Engineer / System Analyst
Native and Web App Development; Cloud Computing and PaaS

Analytical thinker and quick learner. Efficient problem solver with demonstrated excellence in implementation. Enthusiastic developer, inclusive leader. Dedicated, flexible programmer with solid communication skills.

EDUCATION
Hamilton College, Clinton, NY — *May 2021*
- Computer Science + Asian Studies (Japan Track)

RELEVANT TECHNOLOGIES
3-5 years: Python, NodeJS, JavaScript, React, C/C++, RESTful API, CSS, Ruby, MySQL, Clojure, Java
0-3 years: ServiceNow, DialogFlow ES/CX, BigQuery, DataStudio, AWS (Connect, Lex, Lambda), Tensorflow, TypeScript, Go (Golang), Haskell, Rust

RELEVANT COURSEWORK
Algorithms, Applied [Computation] Theory, Artificial Intelligence, Compilers, Databases

DEVELOPMENT EXPERIENCE
System Analyst / Developer, eWorld Enterprise Solutions, Honolulu, HI; May 2022 - Present
- Rapidly developed and tested AI-based solutions using GCP and AWS for deployment in critical state call centers
- Administrated and maintained ServiceNow PaaS solutions across upwards of four projects simultaneously and through service and system migrations
- Composed concise and thorough feedback during code reviews
- Consulted external, non-technical clients regarding project requirements and project efficacy

Software Developer/Thesis Candidate, Hamilton College, Remote; August 2020 - December 2020
- Graphical application which allows users to train two concurrent neural networks that can automatically transcribe handwritten text from any language
- Lead AI Developer, Rotating Team Lead, Software Designer, UI/UX Developer
- Overhauled and integrated multi-stage neural network system into GUI
- Explored and analyzed various GUI and AI packages and implementations
- Consulted non-technical client regarding required functionality and interface design
- Attained 20% accuracy on a small dataset containing Japanese with 30 minutes of training
- Achieved 40% accuracy on large dataset of both Spanish and Nahuatl with 15 hours of training

Backend/Support Engineer, DataHouse, Honolulu, HI; June 2020 - August 2020
- Deployed and configured advanced automated computer vision systems; cataloged and organized mission-critical equipment with custom-written barcode processing application

Actually Very Caffeinated — *"Java-lite" compiler;* August 2019 - December 2019
- Honed implementation of regular expressions, trees and tree traversals, and lexical scoping
- Overcame implementation of loops in Jasmin assembly language using global variables and recursion
- Developed more efficient and effective mindsets for project testing and program development; improved ability to debug and learn from failure

OTHER EXPERIENCE AND SKILLS
Welding and Carpentry Assistant, Hamilton College Scenic Shop; August 2017 - December 2019
- Quickly reached proficiency with critical skills, like MIG welding, fire safety, and safe tool handling
- Facilitated collaboration and communication between students, faculty, and staff

Organization Leadership
- Hamilton College Boffer Club, 2018-2021
- MPI Improv Club, 2014-2017