

Daniel Youngmin Hong

8 Garden Place, Apt. 271, Edgewater, NJ 07020

Daniel.Youngmin.Hong@gmail.com • 503-473-9866 • <https://www.linkedin.com/in/daniel-y-hong>

Professional Experience

First Databank, Hearst Corporation, Remote
Advanced Software Engineer

Jan 2023 to Nov 2025

- Designed a web application that bridges structured clinical data with natural-language interfaces, using custom Python-based, LLM-driven workflows to ingest medical data and enable clinical and pharmaceutical professionals to receive accurate, patient-specific medication insights through an AI-assisted interface.
- Implemented REST-based APIs and microservices to provide external clinical decision support to healthcare providers for prospective medication orders based on scientific literature and health metrics.
- Collaborated with hospital partners to ensure our tech solutions aligned with their workflows and needs, translating code into real-world impact.
- Configured a CI/CD pipeline to automatically build applications in a Docker container and deploy them to Amazon Web Services, triggered upon completion of the internal code review process.

Research Corporation of the University of Hawai'i, NOAA, Honolulu, HI

Data Applications Developer

Nov 2020 to Jan 2023

- Developed a full stack web application by conducting business analysis with fishermen, marine biologists, and government partner agencies, defining functional requirements and user stories, and implementing APIs in Java to interface with a consolidated fisheries database.
- Delivered a D3.js module that transforms Pacific tuna catch forecasts into procedurally generated visualizations based on satellite imagery.
- Integrated a business rules engine into a web client to dynamically render a one-page application, guiding user input and reducing data entry errors for both internal users and external agency partners.
- Created technical documents including data flow diagrams, wireframe mockups, code documentation, and annual data reports while coordinating with partner agency staff to ensure requirements aligned.

Fast Enterprises, Louisiana Department of Revenue, Baton Rouge, LA

Software Developer

Aug 2018 to Jun 2020

- Improved runtime performance for processing 50 million payments per year by monitoring the job scheduler to address efficiency limitations in multi-threaded operations.
- Implemented web interfaces for return and payment filings by translating legislative tax code and stakeholder requirements into technical logic, capturing requests from taxpayer portal submissions, and initiating ACH transactions with external financial vendors.

Education

Vanderbilt University,
Nashville, TN
Bachelor of Arts -- May 2018
Majors:
Neuroscience
Public Health

Skills

Programming
Primary Languages
C# / C++ / C
Java
Secondary Languages
Python
JavaScript
Visual Basic
Development Platform
.NET Core
Visual FoxPro
Spring
Database Query Language
MySQL / MS SQL Server
MongoDB
EF Core
Web Application
ASP.NET / Blazor
React
Node.js
HTML5 / CSS3
Additional Software Skills
Git
SVN
Jira / Confluence

Interests

Digital Cookbook
Web-based pantry and kitchen recipe assistant application
Machine learning tools to recommend recipes to user-specific preferences.