SHANE NEELEY

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Software Engineer

Full-Stack, Web Apps, Data Science, Author, Great Communicator, 15 Years Experience

TECHNICAL EXPERTISE

Python, TypeScript, Node.js, AWS EC2 S3 Glue, Google Cloud, GPUs, MongoDB, SQL, BigQuery, ElasticSearch Search Engines, Linux, Docker, Cloud Infrastructure, Compute & Storage, Firebase, React / Django Frontend, HTML, CSS, JavaScript, Express.js, FastApi, Test Driven Development, TensorFlow, PyTorch, Numpy, Vector Storage, OpenAI.

WORK EXPERIENCE

Well Dot Inc. Senior Data Engineer • 2024 - Present
Building data pipelines and AI workflows in a consumer healthcare setting.

Fort Rock Media, LLC. CEO and Software Consulant • 2020 - 2024
I deliver software-based projects to clients, including: data dashboards, search engines, APIs, cloud deployments, custom scripts and analytics tools. Clients: Oregon Health & Science University, MolecularMatch, Sycamore Life Sciences.

Aktary Tech Software Engineer • 2021 - 2022
Produced arbitrage trading algorithms with graph networks in Python for a crypto hedge fund, Keccak Capital.
Built Rust smart contracts for NEAR, CosmWasm, Radix (Scrypto) and NFT launches; TypeScript SDKs, Twitter & Telegram Bots. Became deeply involved in Web3 ecosystem through dev work, grant applications and personal projects.

MolecularMatch, Inc. Senior Data Scientist & Software Engineer • 2013 - 2021
Led machine-learning initiatives and developed key clinical diagnostics apps at MolecularMatch, including the main revenue-driving MolecularMatch API; expertise in Python, AWS SageMaker, HuggingFace, GPT embeddings, Node.js, ElasticSearch; actively involved in start-up growth strategies, marketing, and team building.

Nano3D Biosciences, Inc. Scientific Programmer • 2013
Developed automated software for BiO-Assay's™ iOS-based computer vision product; Processed images and pharmaceutical data modeling. Python, iOS mobile apps, Swift.

Oregon Health Sciences University, Research Assistant II • 2010 - 2013
Created Python based machine-learning software for viral genetic engineering leading to new methods and publications. Did hands on biology research, animal surgery, and mentored junior researchers.

EDUCATION

Master's of Engineering - Rice University, Bioengineering & Systems Biology Programming • 2013

Bachelor of Arts - University of Colorado, Molecular, Cellular and Developmental Biology • 2010

PUBLICATIONS

Duren R., Neeley S., et. al. "MolecularMatch LAB Integrates Knowledgebases for Collaborative Clinical Interpretation of Variation in Cancer" Cancer Genetics, 2017

Kawano, Y., Neeley, S., et. al. "An Experimental and Computational Evolution-based Method to Study a Mode of Evolution of Overlapping Open Reading Frames in the AAV2 Viral Genome." PLoS one, Jun 2013

Co-authored **11** scientific publications, and published **two** books: *"Stone Age Code: From Monkey Business to AI"* & *"AI Art - Poetry: A Style Transfer Photo Anthology"*