

WORK EXPERIENCE

AI WebAssist Inc.

Burlington, MA, USA

Full-Stack and Machine Learning Engineer

04/2023 - Present

- Using tensorflow/python, designed proprietary deep neural networks to wrap around existing services found on platforms such as OpenAI, Google Cloud, and AWS, to deliver maximally-useful tools to users while minimizing computational complexity and cost
- Built applications that analyzes user browser information in real time to, and when appropriate, deliver intelligent analysis, explain hard to understand concepts, deliver warnings of potentially misleading and unproductive sites, as well as recommend (with no commission or ads) content and resources from other websites/platforms that users may be interested in without the user having to know what to search for first
- Performed R&D for various types of deep neural networks aimed at building most-efficient architectures for a given task while minimizing computational cost
- Minimized loss, latency, and programming complexity, while maximizing throughput and accuracy on various models

Boston Nutricare Technologies Inc

Multiple Cities, Greater China & Boston, MA, USA (remote)

Information Technology Manager

10/2021 - Present

- Managed the US-part of the information technology stack for Boston Nutricare; BN is a nutrition science company that has received over \$1.5M in seed funding thus far
- Build a US-facing website along with non-static back-end servers, integrated it with the Chinese website and applications, organized Cloud document collaboration and sharing, and built CRM tools

AI4Humanity Inc.

Burlington, MA, USA

Full Stack Software Engineer

04/2019 - 10/2020

- Using python, built tools that helped users find other people they may share interests in
- Scraped data with selenium/urllib/bs4 in accordance to ToS/privacy laws, efficiently stored the metadata in SQL with links to Cloud storage, and used machine learning to build a recommendation engine
- Started to build front-end user facing apps with React.js, Swift, and Kotlin
- Gained expertise in managing engineering best-practices on both local and cloud environments, as well as on how to minimize cost while maximizing delivery of usefulness-to-user products

Kensho Technologies Inc.

Cambridge, MA, USA

Product Manager, Events Database

09/2013 - 06/2014

- Managed, updated, and maintained a PostgreSQL database of real-world events that were extracted through machine intelligence performed on unstructured real-world using the Python-based scripts
- Performed business intelligence on which types of events may have the most impact on capital markets, and use my business knowledge to write maximally-efficient and lowest-cost computational algorithms to build a Database that was used by users/investors to make capital market trading decisions
- As one of the first 10 employees, my Events Database played a pivotal role in helping Kensho successfully secure Series A and B funding; the Database was later connected to S&P Global's vast datasets, then Kensho was eventually sold to S&P Global for \$700M in 2018

EDUCATION

Harvard University - Harvard Extension School

Cambridge, MA

Graduate Certificate in Data Science

06/2023 - Expected 12/2023

Harvard University - HarvardX

Cambridge, MA

Professional Certificate in Computer Science for Artificial Intelligence

04/2023 - 05/2023

Professional Certificate for Learning Python for Data Science

12/2021 - 02/2023

Tufts University - School of Engineering

Medford, MA

Bachelors of Science in Engineering Science

September 2006 - June 2010

GPA: 3.4/4.0 undergraduate courses; 4.0/4.0 graduate courses; 3.9/4.0 CS courses; graduated with honors

SKILLS

Python, all commonly used types of ML architectures, combined as appropriate (using Tensorflow, Pytorch, or Scipy), JavaScript, APIs, django, Databases, AWS/GCP/etc, cloud+local architectures, OpenAI and other APIs, Docker, Kubernetes, Bash, C, C++, C#, Java, Go, Swift, Kotlin, Java, Node.js, react.js, angular.js, Selenium, Chromium & Extensions, cybersecurity, MacOS, Windows, Linux, Linux-Servers, hardware assessment & repair, technical support, various Office Suites