

Yangsoo Song

(508) 808-8953 | song.yang@northeastern.edu
yangsoosong.github.io | github.com/yangsoosong | linkedin.com/in/yangsoo-song

WORK EXPERIENCE

Software Engineer

Aug '20 - present

Abiomed, Inc, Danvers, MA

- Design software based on aggregated data from arrays and analysis to develop products and improve their performance
- Design complicated algorithms to validate an artificial intelligence model that predicts patients' arterial pressures
- Contribute to architecture, design, development, and maintenance of IoT Cloud Solution to support multiple medical devices, which allows clinicians to view device performance via a cloud web portal and automatically alerts them of critical patient events (utilized in over 600 hospitals in US, Japan, and EU)
- Quickly acquired skills and knowledge on cloud Platform which is built on Azure utilizing .NET Core (**C#**), MVC, **AngularJS**, **Kubernetes**, **Git**/GitLab and **Docker** (amongst other technologies)

Data Engineer

Apr '20 – Aug '20

Eastern Analytics, Inc, Norwell, MA

- Developed new dataflow and pipeline from different data sources (Amazon, Shopify, Google, etc.) to desired targets using **SQL Server**, **Visual studio**, **SSIS Package**, and **Microsoft Azure**
- Facilitated easy access to data reports for clients by data modeling and testing, and data pipeline (ETL) development with **Azure** DevOps, Data Factory, Blob Storage, and storage account

Software Developer

Apr '20 – Aug '20

The Widernet Project, Durham, NC

- Worked with WiderNet's programming team to improve the Egranary Digital Library, an offline Web collection for people in developing countries who lack internet connectivity
- Tested the current stack's (CIP Editor) compatibility with **PHP 7 & Java** and modify codebase

Software Engineer

Jul '18 – Dec '18

Harbourvest Partners, Boston, MA

- Developed and enhanced existing stored procedures, tables and vsTests utilizing **SQL Server**, **Visual studio/C#**, and LINQ to SQL
- Initiated and created an address parsing utility using a TSQL stored procedure calling **Google Geocoding API**, improving performance & reliability while reducing code volume by 80%
- Worked with business analysts in order to understand business requirements and implement code changes within the data conversion project

SKILLS / PROJECTS

Languages: Java, C#, Python, JavaScript, Elixir, SQL, HTML, CSS

Software: Git, Azure, MSSQL, .Net, Visual Studio

Projects: **COVID-19 Tracker** (Java/Spring Boot/REST API) - Designed and created web tracker application that collects dailyCoronavirus case counts.
Weatherdrobe (Elixir/JS) - Built clothing/weather web-app that helps users decide what they should wear based on the weather forecast.

EDUCATION

Harvard University, Extension School, Cambridge, MA

Jun '22 - present

Master of Liberal Arts in Software Engineering

Northeastern University, Boston, MA

Dec '19

Khoury College of Computer and Information Science

Bachelor of Arts in Computer Science, Minor in International Affairs