Yangsoo Song

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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, **Angular**JS, **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 - Remote   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 and modify codebase
- Developed utilities on **Java** technology stack

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

TECHNICAL SKILLS / PROJECTS

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

Software: Git/Github, Azure, Jira, MSSQL, .Net, Visual Studio

Projects: **COVID-19 Tracker** (Java/Spring Boot/REST API) - Designed and created web tracker application that collects dailyCoronavirus case counts.
Key-Value Store (Python**)** - Implemented a distributed, replicated datastore.
Music Editor (Java) - Using MVC approach, built a music editor for the OOD class.
Weatherdrobe (Elixir/JS) - Built clothing/weather web-app that helps users decide what they should wear based on the weather forecast.

EDUCATION

Northeastern University, Boston, MA   Dec `19
Khoury College of Computer and Information Science
Bachelor of Arts in Computer Science, Minor in International Affairs