

SEAN YI

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EXPERIENCE

SOFTWARE ENGINEER II

Service Lloyds Insurance | Austin, TX | Sept. 2022–Present

- Developed, maintained, and tested LUI as lead engineer, a custom web application that enables search and aggregation for insurance records, built with **C#**, **ASP.NET MVC Framework**, and a **Microsoft SQL Server** database
- Decreased database costs by 8% and increased document-finding efficiency by 12% by integrating LUI with **AWS S3** bucket storage
- Reduced document storage costs by 15% and saved 1.0 FTE hours by creating a **Python** script using **AWS Textract** on an **EC2** instance to asynchronously detect text in over 330,000 documents and programmatically categorize them for retention and deletion

ASSOCIATE SOFTWARE ENGINEER

Service Lloyds Insurance | Austin, TX | Sept. 2019–Sept. 2022

- Created 16 dashboard views to display YTD sales metrics and company performance by integrating LUI with **Microsoft SSRS** and migrating its codebase from **.NET Core** to **.NET Framework**
- Designed and developed an ML-based insurance risk scoring feature within LUI by leveraging the Gradient AI API with **RestSharp**, enabling underwriters to price policies more accurately and improve loss ratios for all new clients
- Increased efficiency by 43% in building, testing, and deploying LUI code by implementing a streamlined and automated CI/CD process using **Gitlab CI/CD**

PROJECTS

UNBEATABLE TIC-TAC-TOE GAME

gitlab.com/sean_yi/impossible-tic-tac-toe-engine

- Engine that cannot be beaten in Tic-Tac-Toe by implementing algorithms consisting of 8 different calculable choices, resulting in a draw in its worst-case scenario
- Developed using **Python**, and implemented as a **CLI program**

PERSONAL WEBSITE 2.0

seanji.com

- Second iteration of personal website, designed to involve more tools and frameworks I've learned
- Developed using **HTML**, **CSS**, **Bootstrap**, and **Javascript**

PARKS ARE AWESOME

gitlab.com/asikerd/parksareaweso.me

- A community-building website that connects to multiple API's and provides users an interface to find local parks, events, and volunteering opportunities
- Led the hosting of the website on an **AWS EC2** instance with a containerized backend using **Docker**
- Worked closely with other teams to complete user stories for each component
- Developed using full stack tools such as **Python**, **Postman**, and **Git**

PERSONAL WEBSITE 1.0

sean_yi.gitlab.io/personal-website/

- First iteration of personal website, designed to display my resume information and interests
- Implemented a static website hosted on a custom domain
- Developed using **HTML** and **CSS**

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

- Bachelor of Science and Arts in Computer Science, Minor in Music

LANGUAGES :

Python | C# | HTML | CSS | SQL

TOOLS + FRAMEWORKS :

ASP.NET MVC | Bootstrap | Git
SSMS | Postman

CERTIFICATION :

ITIL Foundation Certificate in
IT Service Management