ZHAOTIAN (TIM) LI

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SKILS

Languages: Typescript, Java, Python, C#, C++, Kotlin, VBA
Technologies: Angular, Docker, Mockito, Jasmine, Kubernetes, Spring Boot

WORK EXPERIENCE

UnitedHealth Group – Optum, Inc   Boston, MA
<u>Associate Software Engineer</u>   *January 2022 – Present*

- Built software solutions for the front-end features of the Direct Connect web application using Angular and Typescript
- Learned Jasmine and Mockito to write unit tests for the front-end and back-end of the application
- Collaborated with senior engineers and other teams to develop a replacement for existing licensed software
- Collaborated with product owners and product managers to ensure user features met expectations
- Utilized an agile approach to complete goals and milestones

<u>Technology Development Program Intern</u>   *June 2021 – August 2021*

- Developed a new Identity and Access Management web application for building administrators
- Collaborated with other interns and lead engineers to create a new and modern front end for the application
- Collaborated with UX designers to ensure user experience was smooth and intuitive
- Learned and leveraged a new framework, Blazor, to align with our team's .NET technology stack
- Resulted in replacing software licensing and saving $1.4 million per year in vendor and maintenance fees

IMCORP   Manchester, CT
<u>Software Engineer Intern</u>   *January 2020 – July 2020*

- Learned Visual Basic to write a .NET application to mass migrate data sets from legacy databases
- Data was in the form of excel sheets and xml files
- Collaborated with senior engineers and a project manager to ensure data validation
- Resulted in over 800 datasets being imported into new database and retiring legacy database

PROJECTS

Path Finding Visualization (https://github.com/timli1020/PathFindingVisualization)   *June 2020*

- Desktop application made with Java and Swing that implements and demonstrates Dijkstra's algorithm; visualizes the optimal path from one point on a grid to another.
- Features include the ability for the user to draw walls on the grid for more interesting paths.

Prescription Reminder (Capstone Project sponsored by Cigna)   *August 2020 – May 2021*

- Android application made with Kotlin and Android Studio, with a Natural Language Processing feature
  - Users can take a picture of a prescription and the app will display instructions on how to take the medication as well as schedule occurrences of when to take it
- Utilizes Firebase and Amazon Web Services (AWS) Lambda to save user data and host functions

EDUCATION

University of Connecticut   Storrs, CT
School of Engineering, Bachelor of Science – Computer Science   *August 2017 - December 2021*