


Duc Than

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Education

University of Texas at Arlington

B.S, Computer Science

Graduated 05/2021

GPA 3.88/4.00

Experience

Dec 2021- Present **Outzoner** – *Fullstack developer - Back-end solution consultant*

Social media platform that shares successful story to inspire the next generation to innovate in STEM fields

- Optimizing back-end by using GraphQL to improve communication between components within our application.
- Handling database interaction from user through the Publish/Subscribe Architecture Design Pattern.
- Architecting Heroku pipelines for back-end and front-end staging to increase efficiency of app performance and preventing crash from the developer to deployment.
- Modifying the testing workflow by implementing CircleCI to increase testing accuracy.
- Handling the security of the client interaction with server through cookies and enhance authentication speed.
- Link: [Outzoner](#)

Projects

Oct 2020- Nov 2020

Lend-An-Eye – *A mobile application that allow impair visual student to learn the book by listen*

- Implemented React Expo with expo-camera package to capture text image then applied expo-speech to make and play the audio version on local device automatically after receiving the respond from server
- Embedded Google Cloud Vision API to detect the text image on Google Function server from user's input
- Applied Python knowledge to create function using GCP API that kept the server operating on Google Function platform in form of deployment
- Research and analyzed information related to "ISO-639-1" that enable react function to convert text language to code language
- GitHub: <https://github.com/thantienduc/Lend-an-eye>

June 2020-July 2020

PHMS – *A mobile application used to keep the personal health data for user*

- Applied Agile methodology in development process for a better maintenance of source codes
- Designed and managed both UI Graph and SRS Requirement from Client's input
- Developed the application based on Android Studio and GCP Firebase to store the user information
- Implemented XML to design Android UI
- GitHub: <https://github.com/thantienduc/PHMS-2020>

April 2020 - May 2020

Shoeuse – *A web application sell the used shoes*

- Implemented Flask framework for the back-end to render the web page and communicate with database
- Designed EER diagram to amplify the efficiency of the relationships between databases in XAMPP
- Applied Flask-MySQL package to query data from XAMPP to the Client's interface
- GitHub: <https://github.com/thantienduc/Shoeuse>

Sep 2018- Oct 2018

JADE – *Software application allow people to create their own coffee and donut in the restaurant*

- Developed the desktop application that allowed users to customize the product through interactive UI
- Applied four pillars of object-oriented programming through class-objects to create more efficient data delivery process in C++
- Utilized GTKMM packages in UI design
- Link: <https://github.com/thantienduc/JADE>

Organization

Sep 2019 - May 2020 **SASE** – Society of Asian Scientist and Engineers

Jan 2020 - Oct 2020

TAU BETA PI – The Honor Society for All Engineers

Technical Skills

- **Front-end** (React, HTML5, CSS)
- **Database** (MySQL, Firestore, GraphQL)
- **Build System** (NPM, Flexenv)
- **Back-end** (Java, Python, C++, NodeJs)
- **Computer Network** (Socket, HTTPS)
- **Unit Test** (Junit)

Activity

- Keep up with latest technology: NodeJs(Express), Python, Database (Framework: Redis, PostgreSQL),...
- Leetcode problems