HOANG LUU

(817) 987 3276 ✉ hoangluu404@gmail.com in Hoang Luu HoangLuu404 📍 DFW, TX

Education

The University of Texas at Arlington　　　*B.S. in Computer Science*　　　*Expected Spring 2021*

Skills & Abilities

- **Language:** *Python, Kotlin, JavaScript, C++, html/CSS, C, Swift, Java*
- **Relevant courses**: *Human Computer Interaction, Software Design, Object-Oriented Programming, Computer Vision, Artificial Intelligence, Computer Graphics, Network Organization, Discrete Structures, Databases, Algorithms and Data Structures, Statistics, Linear Algebra, Theoretical, Operating System*
- **Additional technologies**: *GitHub, VS Code, Android Studio, React, React Native, Firebase, MySQL, AWS Lambda Function, Rapid API, Google API, Google Cloud Function, LaTeX, FIGMA*

▭ Projects ▭

Kotlin – **Journey to Android** – *demonstrated my ability to develop Android App in Kotlin*
- A standalone application that demonstrates to user my ability to develop android applications in Kotlin
- The app has the ability to look up and display Instagram profiles

JavaScript/Firebase – **Demi-Care** – *a research website aimed to assist Dementia patients*
- User can get knowledge on Dementia and nearby facilities, set appointment and send email to Demi-Care UTA
- Admins can log into the Admin Panel to modify and update the website

JavaScript/Python – **SpotLight** – *an Android and iOS app that calculate the amount of sunlight at a given location*
- By applying Computer Vision, the app will recognize obstructions of clear sky in a photosphere
- The app will calculate amount of sunlight and show a list of plant suggestions for that location

JavaScript/Python – **LendAnEar** – *an Android and iOS app that translate and read books to visually impaired*
- The app will recognize texts in an image taken by the device's camera
- The texts will be translated into selected language and be read out loud

Work Experience

Lab Assistant　　　***MobiSec, University of Texas at Arlington, Arlington, TX***　　　*November 2020 – present*

　MobiSec Clinical Portal *– a Web portal in JavaScript for doctors and clinics*
- *Assist Doctors and Clinics by building an IoT System to aid the process of clinical examination from home*
- *The IoT system collects patients' vitals via sensors and display data on Doctors or Clinics Web Portal*

　MobiSec Mobile *– an Android App that give users the ability to control their Smart Device via Bluetooth*
- *Users can establish connection to available Bluetooth devices nearby*
- *Users can control smart devices connected via Bluetooth*

　MobiSec Workshop *– a Workshop at* ourCS@DFW *event for Computer Science majors*
- *Co-hosted workshop to instruct and aid other students to build IoT System*
- *Developed an IoT system to measure the safety of tap water*

Lab Assistant　　　***IDIR, University of Texas at Arlington, Arlington, TX***　　　*August 2020 – present*
- *Assist PhD students by building and maintaining a research website*
- *Work with different databases to give a user-friendly experience with data visualization*

Web Developer　　　***Ly Agency, Arlington, TX***　　　*August 2019 – present*
- *Developed and maintain the agency Websites*
- *Developed a mass texting program that allows the agency to send messages to all of their clients*

Organizations

President　　　*Engineering Club, AHS*　　　*Fall 2013 – Spring 2014*

Marketing Committee　　　*Engineering Student Council, UTA*　　　*Fall 2020 – present*