DANG LE

SOFTWARE ENGINEER

My Dev Portfolio | (323) 420 - 3140 | dangle0905@gmail.com | LinkedIn | LeetCode | GitHub

OBJECTIVE

I am seeking to obtain a career and position as a Software Engineer where my skills, knowledge, and experience will contribute towards the success of the company. My problem-solving skills, desire to learn new skills, and innovative ideas will assist me in adding to the company's growth.

SKILLS & QUALIFICATIONS

- C++ | Java | C# | JavaScript | Python | MySQL | Node.js | Git | OOP | SDLC | DevOps Technologies and Methods | Agile Methodology / Scrum| Machine Learning | Neural Networks | Data Structures & Algorithms | Debugging & Testing | Multithreading Architecture | AWS | Azure | System Software Design | Operating Systems & Architecture | Digital Signal processing | Real-Time systems Design | Unreal Engine 5 | Unity |
- Bachelor's Degree in Computer Science and Engineering | Associates in Mathematics and in Physics

EXPERIENCE

Student Intern **Santa Barbara Public Defenders** *08/2021 – 05/2022*

Working with a team of ten. We were giving two projects to complete. As a team we approach our first project using DevOps Methodology for Box.com/eDefender Integration and Agile for our second project, Document Tag Parser. During the software development process, we gained experience working as a team and learned new skills. Our first project was to Integrate eDefender (a client case management app) with Box.com and our Second project was to build a Document Tag Parser Application. Details on the completion of our projects and accomplishments:

Box.com/eDefender Integration

- Provide a method for videos and audio stored in Box.com to be transcribed making it easier to index videos and saving tremendous time for SBPD.
- Connect Lamba to Azure Video Analyzer which transcribes media and sends data back to lambda function, lambda then sends the metadata to Box.com and a success message once the process is complete.
- Using DevOps methodologies for rapid deployment of Box.com/eDefender lead to a reliable product:
    - Daily testing application to ensure it functions as expected with all external dependencies.
    - Ensure the quality of application updates and infrastructure changes so we could reliably deliver at a more rapid pace.

Document Tag Parser

- Built a software application that can automate the process of renaming files from court pdf file's bate stamps.
- Utilize multi-threading to assist in processing of documents decreasing the time it takes to process files and saving time for SMPD.
- Made testing easier by providing a results report to the documents that were processed making it easier to detect bugs and fix them.
- Increase ease of use by adding a default naming convention if the user didn't specify a naming convention.
- Optimize the program by adding the ability for an option to process files within a selected folder or individual selected file(s).
- Technologies used were Python, Pytesseract OCR Library, Pdf2image library, and Tkinter GUI toolkit to build our program.
- Full software application was launched for SBPD and saved SBPD 20 hours per week.
- Extremely accurate 99.9% with our program vs occasional user error saving time for SBPD.

EDUCATION

Bachelor of Science **California State University Los Angeles** *08/2020 – 05/2022*

- Major in Computer Science and Engineering
- Southern California Edison STEM Scholarship Student
- CSULA Code Brew Computer Science Club
- Dean's List, 3.5 GPA

Associates of Science **Los Angeles City College** *08/2017 – 05/2019*

- Associates in Mathematics and Physics
- LACC Programming Club
- Dean's List