

Application for Software Developer

Being a software Engineer is something I am passionate about, with a great attitude and technical skills learned from Computer System Technology (CST) program, I believe that I can contribute to your team.

I used Java and python to master Objected Oriented Programming and system design patterns. Other than OOP, Java is the main tool for me to develop android applications. The Android app Room Wrangler was implemented using Java in MVVM mode. Moreover, I used Java to build API and implement CRUD of database in my part time working project. Except Java, I mainly used python to implement backend functions such as image recognition, database operations and routes with flask in SISA energy Inc's project. In addition, python is the only language I used to build machine learning and time series models for Predictive Analysis option courses.

For web backend development, other than Java and python, node.js and express are used most often by me in different projects, for example, Pokémon's retrieval API, and an sample one is <https://afternoon-wildwood-62814.herokuapp.com/api/v1/pokemon/77>. And individually I built my own portfolio web using Nodejs, Express, and MongoDB. The app has been successfully deployed, <https://www.guangyangroland.com/>, please have a check.

For web frontend develop, HTML/CSS/JS are the React, basic skills that I mastered. Other than those, I am adept at using Figma for UI prototype design, and React.js to implement the pages. I used React in SISA energy Inc project and my portfolio web as well, besides, I self-learned VUE.js and finished a small project, "Find a Coach", please check here <https://find-a-coach-208e6.web.app/>.

At last, for database development, in May 2022, in a team of 4, we developed a prototype web application for a government department. The app was developed from scratch using c# ASP.net Core and MySQL. This project we mainly focused on designing and building the database. We developed the database by laying down business rules, identify entities and relationships, and implement the database. The app was built in MVC pattern, the frontend pages was built by ASP.net scaffold, models and controllers are built using c#. The final app was beyond the employer's expectation and highly commended.

For me, being a software developer is not just a way to make a living, but a vocation to which to devote myself. I sincerely hope my knowledge and experience will earn me an interview. I am looking forward to hearing back from you and thank you very much for your time.

Sincerely

Guang Yang

