Ha Minh Lai

Junior(Mid) C/C++ Software Engineer

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Work Experience

DEK Technologies VietNam   **Nov 2021–Now**
Junior C/C++ Software Engineer

Working in the CSCF project, a central component in IMS architecture. Our customer is Ericsson from Sweden, one of the world leading in telecommunications.

My main responsibility is in Product Lifecycle Management(team), my work includes:

- Taking the role of Security Master in my team, ensuring the delivered software meets the basic secure-coding standard. The Standards(Rules) is based on the SEI CERT C++ book. Define a Way-of-Working for secure-coding review, which was omitted as the time I take over. Responsible for an official Secure-coding instructions and guideline for the CSCF project.
- Mentor for a newcomer in my team during his probation period.
- Preparing content and perform early System Test for customer's Emergency Package.
- Resolving the Trouble Reported by customer and deliver the fix to integration branch along with other feature teams.

Intel Products Vietnam   **Aug 2020–Feb 2021**
Engineering Intern

Worked in the Finish Inspection team, Assembly Engineer department. My work includes:

- Inherit the hardware and machines built from a prior intern and my mentor. Tracked and and troubleshot those Automated Dimensional Visual Inspection(upto 30) machines.
- Used an in-build SQL tool to access and crawled data from VNAT factory. With the provided data, I performed data pre-processing and built a data set for further machine learning activities.
- Trained and customized an Object Detection(Python, YOLOv3) model to detect faulty manufacturing, foreign materials and defects on unit product such as Intel Comet Lake, Whisky Lake. The final demo model exceeded the target Accuracy(80%) set by my mentor.

Education

Ho Chi Minh City University of Technology (HCMUT)   **Aug 2017–Nov 2021**
Bachelor of Engineering: Electronic and Telecommunication; GPA: 7.29/10

Ho Chi Minh City University of Science: Computer Center (HCMUS-CSC)   **Aug 2022–Feb 2023**
Python Developer Course (Awaiting for Course Certificate)

Personal and Academic Projects

Sound-Plan an online Music hub
Final project for Python Developer Course

- Using Django framework to develop a web-application(Sound-Plan). The app is enrich with features that enable user to stream music, buy event ticket and read latest music news. The project was done personally and within a month.
- Github: https://github.com/zzhappyzebrazz/Sound-Plan

Indoor Air Quality Monitoring system
Thesis project

- Fully designed and crafted IOT devices that embedded with ARM Cortex-M0 MCU. The device is solely for the attention of collecting PM2.5 fine dust and many Volatile Organic Compounds concentrations. The data is packed and sent to a web server (Raspberry pie) by MQTT protocol for visualization(achieved a grade of 89%).
- Github: https://github.com/zzhappyzebrazz/IndoorAirQuality-system

Technical skills

Programming languages	C/C++, Python (Django-framework)
Other	*Git, Linux, OOP, Troubleshooting.*

Languages

VietNamese	Native
English	950/990 TOEIC Listening and Reading (Test date: 2020/12/06)