

Minh Dang

Software Engineer

CONTACT

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EDUCATION

Bachelor of Software Engineering

Tampere University of Applied Science

08.2020 - Present

GPA: 4.55/5

SKILLS

Programming Languages

Proficient in C/C++, Markdown. Familiar with C#, Java, CSS, Javascript, SQL, PostgreSQL, Bash, Python, Meson, CMake, Make, HTML, XML, and GLSL.

APIs & Frameworks

Modern C++, OpenGL, Vulkan, GLFW, ImGui, Win32, Rest API.

Languages

English: Professional working proficiency

Vietnamese: Native

Others

- Proficient in developing software on Window and Unix.
- Understanding version control with Git and Gitflow.
- Experience in working with Visual Studio, VS Code, MS Office, Notion, Trello, Jira, Asena, Anaconda.

CERTIFICATES &

AWARDS

- CCNA: Introduction to Networks
- Learn the Vulkan API with C++
- Beginning C++ Programming - From Beginner to Beyond
- First prize in Campus Hult Prize in Danang 2020
- Fourth prize in Vietnam Science and Engineering Fair 2019 (ViSEF)
- Bronze medals of Informatics (Competitive Programming) in 13th Olympic 30/4 contest in 2017 and 2018

EXPERIENCE

Computer Graphic and BLE Developer, Summer Trainee

Tampere University of Applied Sciences

May 2022 - July 2022

- Created a graphic rendering pipeline written in C++. Used GLFW, and Vulkan API.
- Developed a data transferring method using Bluetooth LE to receive Euler-angle values from an absolute orientation sensor.

Hardware Developer, Summer Trainee

Tampere University of Applied Sciences

May 2021 - June 2021

- Created a programmable device that collects data from BNO055 - absolute orientation sensor.

PROJECTS

OpenGLRenderer

July 2022 - Present

- A modern graphical rendering engine based on Modern C++, OpenGL API, GLFW and Dear ImGui.
- Source: github.com/minhdangphuoc/OpenGL-Renderer

MDVulkanRenderer

May 2022 - Present

- A 3D graphical rendering application that draws Wavefront .obj file in real-time. Based on Vulkan API and GLFW.
- Source: github.com/minhdangphuoc/MD-Vulkan-Renderer

BNO055 BLE Vulkan

May 2022 - July 2022

- An application receives orientation value from a controller and responsively presents a 3D object based on the input data.
- Source: github.com/minhdangphuoc/BNO055-BLE-Vulkan

Covid-19 Status and News

April 2022 - May 2022

- An Android application gets updates and news about covid-19 from specific countries.
- Source: github.com/minhdangphuoc/Covid-19-Tracking-and-News

Weather dashboard

April 2021 - May 2021

- A website plots up to 121 values in a month into simple tables and graphs that fetches real-time temperature and humidity values from a study API. Based on HTML, CSS, Javascript, Chart.js, and Rest API.
- Source: minhdangphuoc.github.io/Humi_Temp_Web/

ADDITIONAL ACTIVITIES

- See my programming portfolio at github.com/minhdangphuoc
- Ranked 6th among participants at Da Nang in the 2018 Vietnam Science and Engineering Fair (ViSEF)