


Chan Khang Woei

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EXPERIENCE

- **Sagentia Innovation**

Software Engineer - Epsom, UK

- Conducted an exploratory data analysis to judge the feasibility of a medical data-set of roughly 1000 patients with 50 features using Python.
- Developed and maintained new and existing features of an embedded system in C on a STM32 microcontroller and tested using Unity test framework.
- Developed and maintained new and existing features of an embedded Graphical User Interface on a Variscite Board using C++ and Qt, tested using google test framework, and, booted to the device using Yocto boot2qt.

October 2021 - present

- **reed.co.uk**

Assistant Developer - London, UK

- Worked in a team under the agile scrum methodology
- Developed and maintained new and existing SOAP and RESTful APIs
- Developed and maintained new and existing ASP.NET razor pages
- Wrote a simple bash script responsible for cleaning code repositories
- Learnt about project life-cycle and applied development principles such SOLID, TDD, and CI/CD.
- Shadowed DevOps, Mobile Development, Data Science, and Front-end department where possible to gain exposure.

July 2019 - July 2020

- **Ingenious Labs Sdn Bhd**

Intern – Kuala Lumpur, Malaysia

- Led a team of interns on designing and developing an internal website for the company

June 2018 - September 2018

EDUCATION

- **BCs(Hons) Computer Science**

University of Bath, UK

Achieved 2.1

2021

SKILLS & TECHNOLOGY

- **Proficient**

C#, Python, SQL, Qt, QML, .NET, Object Oriented Programming, SOLID Principles, Data Driven Design Pattern, Agile, Jira, Confluence

- **Familiar**

HTML, CSS, Javascript, C, C++, Bash, SQL, \LaTeX , Angular.js, React.js, node.js, TeamCity, Postman, Test Driven Development, Unified Modelling Language

PROJECTS

- **Personal Website (Independent)**

Designing and creating a personal website to serve as a portfolio moving forward, currently fully front-end using the React framework

(Work In Progress)

ReactJS, Javascript, HTML, CSS

- **Final Year Project (University)**

Generated synthetic retinal images with corresponding segmentation masks from a limited set of data which can be used to proliferate the sample size for training of other models such as a U-Net segmentation network.

Python, GAN, PGGAN, U-NET, git

- **Buyers 1-1 Farmers (B11F) (Competition)**

[/b11f.app] [/b11f.server]

Led the web-development for a project aspiring to use block-chain technology to secure and provide transparency on the supply and flow of agricultural goods from farmers to retailers. (TFF 2020 Challenge)

React.js, node.js, Hyper-ledger Fabric, Bash, git

- **Simple Job Stack (Independent)**

[/JobStack] [/AuthenticationServer]
[/GraphQL.Api]

Personal Project, developed a simple job-stack with authentication using Identity Server 4 and GraphQL.

C#, Angular.js, GraphQL, IdentityServer4, git