

PETER YAMOUT

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github.com/pky00

Experience

PropertyCard

June 2021 – Present

Junior Backend Developer, Part-Time

Remote

- Build and design database structures that efficiently handle and store data.
- Write unit tests for database and data management modules.
- Integrate with other fin-tech third party APIs.
- Developed using FastAPI python framework, PostgreSQL and Docker.

Horizons International - Jacob's Farm

July 2022 – June 2023

General Manager

On-site

- Overseeing and planning for projects in the farm.
- Preparing monthly budgets and project cost management reports.
- Supervising staff.

Research & Projects

Accelerating The Vertex Cover Problem on GPUs | C, CUDA

September 2020 – May 2022

- Published a research paper in the field of High Performance Computing and presented my findings in the 2022 IPDPS Conference where I studied the Minimum Vertex Cover problem and found different efficient ways to parallelize it on Multi-Processor systems and used CUDA to implement all the algorithms to work on NVIDIA GPUs.
- GitHub Repository : <https://github.com/pky00/FYP-Minimum-Vertex-Cover>
- Link to Paper : <https://arxiv.org/abs/2204.10402>
- Link to Video Presentation : <https://www.youtube.com/watch?v=M7RLXhlW-uA>

Emotion and Face Pose Detection AI Model | Python, Tensorflow, Keras, Jupyter

April 2021

- Designed an Artificial Intelligence model using a convolutional neural network and various Machine Learning algorithms that can detect the face pose and 7 classes of emotion from a face image at an accuracy of 60%
- GitHub Repository : <https://github.com/pky00/Emotion-and-Face-Pose-Detector-ML>

Student Management System | Javascript, Typescript, Angular 9, .Net Core

May 2020

- Designed a Student Management System, using Angular as the Front-end and .Net Core as the Back-end, intended to be used by a professor to manage student grades, class progress and team projects.
- GitHub Repository : <https://github.com/pky00/CLOASIS>

Technical Skills

Programming Languages: Python, Java, C/C++, CUDA, C#, HTML/CSS, PHP, JavaScript/Typescript, SQL: MySQL/PostgreSQL/NoSQL

Backend Frameworks: FastAPI, Django REST, Flask, .Net core, Spring Boot, Laravel

Developer Tools: VS Code, Visual Studio, Eclipse, Postman, PGAdmin

Technologies: Linux, GitHub, WordPress, Slack, Firebase, Docker, Tkinter, Tensorflow, Keras, Numpy, Pandas, Angular, MVC, Razor Pages, Node.js

Soft Skills

Adaptability: Able to adapt to constantly changing circumstances, difficult and stressful situations and is a fast learner

Collaboration: Work well with others and can be flexible and open minded to better understand and communicate with coworkers

Problem Solving: Independently breakdown problems and find well thought solutions

Work-Ethic: Honest, Responsible and Dedicated

Languages

English: Bilingual Proficiency

Arabic: Native Proficiency

Education

American University of Beirut

Sep. 2018 – May 2021

Bachelor of Science in Computer Science

Beirut, Lebanon