Francesco Gorini

Phone: 0220790068 | goras.francesco@gmail.com | http://francescogorini.com

I was born and raised in Italy but have NZ residency. I moved to New Zealand to study and work. I really enjoy learning new concepts and technologies. I made a couple of projects in different technologies and languages for self-learning and fun, one of my projects was a web chat room using a LAMP set up for back-end and html,css, javascript for front-end, this project helped me to better understand Client-Server architecture, Security (including SQL injection and XSS), AJAX, PHP and MYSQL databases. Another Project is undertook for learning was a 3D Engine in C++ and OpenGL. I undertook this to better understand how rendering works, how gpu programming works(shaders) and to better understand C++ as a language. I learned a lot about the Mathematics involved in 3D rendering such as Matrices, Vectors, Transformations and Bump Mapping, Texturing, Specular maps, Cubemaps and reflections. Even if these concepts might be not relevant to my future career, it helps me broaden my understanding of Computer Science.

Tech Skills

- **Languages** : HTML, CSS, JavaScript / Node, PHP, Java, C, C++, Python, MYSQL.
- **Frameworks/libraries** : jQuery, React, Angular, Ionic, ReactNative, Express/PassportJS, OpenGL, SDL.
- **IDE's** : IntelliJ, Visual Studio, Webstorm, Android Studio
- **Extras**: Arduino, RaspberryPi, Apache, NGINX, Linux, AWS & DigitalOcean.

Non-Tech Skills

- **Customer Service:** Worked with a customer creating their website, came up with design and specifications with the customer and listed functional requirements,and negotiated changes in requirements.

- **Team work:** Worked alongside graphics designer for Web Development Contracting, we both agreed on certain standards to follow to allow easier integration of my design and code with their art and src. Worked with numerous teams during university projects splitting work and using git version control.

Work Experience

Web Development contracting
Full stack developer, July 2018 – Jan 2019
- Designed and implemented website as contract job, I periodically update and apply small changes/add content. Website was simple for backend, Simple MariaDB server was used to collect user information when they signed up for a newsletter, front-end was jquery.

Colonial Landscapes

Landscaper/Labourer/Truck Driver, November to December 2018

- Had responsibility for many different types of jobs including laying artificial turf, barking, planting, transport of sand and AP. Was also given responsibility to drive company truck to quarry for AP.

Allied Work Force (AWF) - Nelson

Labourer, December 2017 to end of January 2018

- Assembled and dismantled Marquees for wedding, landscaping and brick laying. Also worked at Nelson Port unloading cargo from fishing ships.

Although unrelated to IT, working as a Labourer has taught me: *hard work*, *responsibility* and *respect*. I can work with people with all sorts of backgrounds, nationalities, religions and races.

Education

Victoria University of Wellington (Expected graduation on July 2020)

Pursuing Bachelor of Computer Science, 2017-2020

Some example papers i have taken:

Software Development: A-	Engineering Mathematics Fundations: A-
Data Structures and Algorithms: A-	Intro to Computer Program Design: A+
Structured Methods: A	Safety Critical Systems: B+

High Schools:

Nelson College, Nelson *New Zealand*. (2014-2016)

Holy Name University, Bohol *Philippines*. (2013-2014)

Luca Pacioli, Sansepolcro *Italy*. (2010-2013)

Personal Projects

- http://francescogorini.com is my portfolio, made using HTML, CSS, jQuery, PHP and MYSQL. I upload links to some of my personal projects as well as my contracting projects on this website, including Github link for source code if possible.
- Working on a 3D Engine using C++ and OpenGL which includes my own multiplayer server using NodeJS TCP server and C++ TCP client to transfer Player information (used with Hamachi VPN).
- Hosting multiple websites on headless Raspberry PI at home, using different Stacks for both backend and front end such as PHP & Mysql, NodeJS & Postgres, React & Firebase etc..

Hobbies and Interests

- I am interested in keeping fit, Gym and Calisthenics and occasionally football.
- I play video games with friends, we also try to develop games and hacks for other games.
- I have an interest in Physics, Networking and Electronic Engineering as well as Software.

References

Available on request.