 Curriculum vitae

PERSONAL INFORMATION

Marios Sofokleous

- 14 Georgiou Christoforou, 8046 Pafos (Cyprus)
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Sex Male | Date of birth 17/12/1990 | Nationality Cypriot

PREFERRED JOB

Front-End Developer, Front-End Engineer

EDUCATION AND TRAINING

10/09/2011–08/06/2016

Bachelor Degree in Computer Engineering
EQF level 6

University of Cyprus, Nicosia (Cyprus)

Thesis: *"Object-oriented Programming and Parallelism for Scientific Applications in C++."*

Main courses: Intro to Programming, Programming Principles for Engineers, Data Structures & Algorithms, Introduction to Software Engineering, Distributed Systems, Iterative Methods, Engineering of Operating Systems, Computer Networks, Computer Organization, Computer Architecture I, Computer Architecture II, Digital Logic Design, Digital Integrated Circuits, Computer-Aided Design for VLSI, Signals & Systems, Introduction to Random Signals & Systems, Fault-Tolerant Systems, Mathematics, Physics & Electrical Engineering Fundamentals, Fiber Optic Communication Systems & Networks, Introduction to Robotics.

Occupational skills gained: Communication, Teamwork, Critical thinking, Planning, Problem solving.

PERSONAL SKILLS

Mother tongue(s)

Greek

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	B2

English

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- I am a good listener and I pay close attention to what the other person is saying. I usually ask clarifying questions since I hate ambiguity.
- Good communication skills gained through my experience with class presentations and various online activities.
- I embrace feedback because I'm very passionate about personal growth.

Organisational / managerial skills

- Ability to work as part of a team gained through my experience with group projects.
- Leadership experience gained as army sergeant and instructor of new army recruits.
- Well organized individual (tidy workplace, note taking, file & folder organization, documentation).
- Able to organize workload effectively and prioritize tasks.
- Attention to detail. I cannot overlook the details and I love consistency in writing, design, and programming. I take things such as grammar, style conventions, formatting, indentation, spacing,

coloring, and word choice very seriously.

Job-related skills

Most of the skills listed below were acquired online, through massive open online courses, videos, and knowledge resources.

■ **Web development:**

Multimedia tools: Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Adobe Premiere Pro, GraphicsMagick.

Responsive web design: Common responsive patterns, Media queries, Flexbox, Responsive images.

Web authoring & debugging: Chrome Dev Tools.

Web performance & optimization: Lighthouse, PageSpeed Insights, Intersection Observer, Vendor-prefixed CSS, Resource minification, Inline critical CSS, Optimize images, async & defer, System fonts, Remove unused CSS.

Toolkits: Font Awesome, Octicons, Google Fonts.

CSS: Bootstrap, W3C CSS validation service.

HTML5: HTML5 Semantics, HTML5 Canvas, W3C markup validation service.

JavaScript: GruntJS, JSON, D3.js, jQuery.

jQuery: DOM manipulation, Event listeners.

Progressive Web Apps: Offline content, HTTPS, Fast load, Cross-browser support, Add to Home Screen prompt, Responsive.

Misc. frameworks: Electron, Foundation for Emails 2.

Hosting: cPanel, Bluehost.

Essential: Git, GitHub, Linux, Sublime Text 3, Atom.

CMS: WordPress.

■ **Programming:**

C/C++: Eclipse, Code::Blocks, Geany, Valgrind, PAPI, OpenMP, MPICH, Blitz++, Eigen.

JavaScript

R

Bash

MIPS assembly

VHDL

Algorithms

Object-oriented design

■ **Computer security fundamentals:**

Anonymity: VPN, Tor, ProxyChains.

Footprinting: Nmap, NSE.

Wireless networks attacks: Aircrack-ng suite, Reaver.

MitM attacks: Burp suite, Squid caching proxy, Evil twin & Rogue AP.

Vulnerability exploitation: NSE, Metasploit.

Penetration testing: Kali Linux, Metasploitable.

DNS spoofing: Social Engineer Toolkit, DNSChef DNS proxy.

Offline/Online password attacks: John the Ripper, THC-Hydra.

Signal jamming & DoS attacks: Aircrack-ng suite, SYN flooding, slow HTTP attack (Slowloris).

Keyloggers

Reverse shells: Metasploit, Netcat, NSE.

Digital skills   SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Other skills: Word processor, Spreadsheet, Presentation software, Gnuplot, GNU Octave, Magic VLSI, Google drive

Other skills

- **Surface swimming:** I am a regular swimmer using mask and bi-fins. I've always been fascinated with the underwater life and natural setting.
- **Cycling:** I enjoy cycling because it boosts my physical and mental health. Also, it's an excuse to get out of the house.
- **Arts & crafts:** I am a creative person and I enjoy paper folding (origami) and pencil drawing. I find these activities to be pleasant and relaxing.
- **FPV drone racing:** I've built several custom racing drones which I use mainly for fun. I am a member of the Cyprus Drone Racing Association (CYDRA).
- **Video games:** I am an avid gamer and I have a YouTube channel dedicated to video games. Over the years, I've built several gaming computers.
- **Computer repair** work and **general repair** skills (self-taught).
- **Photography:** I am interested mainly in nature and macro photography. Feel free to explore my gallery on Instagram.

Driving licence   B

ADDITIONAL INFORMATION

Projects

- **to-do-list:** A simple to-do list app written in HTML, CSS, and JavaScript. Hosted on GitHub Pages (https://github.com/PictureElement/to-do-list).
- **memepearl:** A simple and easy to use meme generator, with advanced features such as photo effects and filters. Upload your image to generate funny memes instantly. Hosted on GitHub Pages (https://github.com/PictureElement/memepearl).
- **minimal-calculator:** A minimal calculator app written in HTML, CSS, and JavaScript. Hosted on GitHub Pages (https://github.com/PictureElement/minimal-calculator).
- **ga-phrase-evolution:** This program starts from a random set of phrases and through simulated evolution, a target phrase can be produced rapidly. The program is for educational purposes only and its main purpose is to demonstrate how genetic algorithms work. Hosted on GitHub Pages (https://github.com/PictureElement/ga-phrase-evolution).
- **resume-template:** Responsive resume template. Hosted on GitHub Pages (https://github.com/PictureElement/resume-template).
- **business-1:** Responsive business site. Built from scratch and hosted on GitHub Pages (https://github.com/PictureElement/business-1).
- **responsive-patterns:** Common responsive patterns. Hosted on GitHub Pages (https://github.com/PictureElement/responsive-patterns).
- **portfolio-2:** Responsive portfolio site. Built from scratch using a responsive 12-column Flexbox grid system and hosted on GitHub Pages (https://github.com/PictureElement/portfolio-2).
- **flexbox-grid:** Responsive 12-column grid system using Flexbox. Hosted on GitHub Pages (https://github.com/PictureElement/flexbox-grid).
- **basic-portfolio-2:** Basic portfolio page using HTML and CSS. Hosted on GitHub Pages (https://github.com/PictureElement/basic-portfolio-2).
- **basic-portfolio-1:** Basic portfolio page using HTML and CSS. Hosted on GitHub Pages (https://github.com/PictureElement/basic-portfolio-1).
- **website-template-2:** A one-page website template built with Bootstrap 4. Hosted on GitHub Pages

(https://github.com/PictureElement/website-template-2).

- **website-template-1:** A one-page website template built with Bootstrap 3. Hosted on GitHub Pages (https://github.com/PictureElement/website-template-1).

- **portfolio-1:** Responsive portfolio site. Built from scratch and hosted on GitHub Pages (https://github.com/PictureElement/portfolio-1).

- **ldiw-pso:** Linear decreasing inertia weight particle swarm optimization algorithm (https://github.com/PictureElement/ldiw-pso)

- **approximate-cvt:** Calculation of the generator points for the approximate centroidal Voronoi tessellation (https://github.com/PictureElement/approximate-cvt).

- **html5tech:** An ever-growing website with fundamental resources about HTML5 and friends. Built from scratch and hosted on GitHub Pages (https://github.com/PictureElement/html5tech).

- **basic-keylogger:** A basic Windows keylogger in C++ for US standard keyboards (https://github.com/PictureElement/basic-keylogger).

- **aerialworxs.com:** A WordPress site for a startup company. A child theme for WordPress *Twenty Seventeen Theme* was built in order to accommodate modifications (https://www.aerialworxs.com/).