

Michael Demetriou – CV

I am a generalist obsessed with technology and its impacts. I am a coder and a visual artist. I'm also entrepreneur and along with a few select co-workers and friends bootstrapped our own company. One of the things I'm most proud of is *rosalind*¹ a fully opensource parametric 3D printer designed and built from scratch in OpenSCAD.

Work Experience

2020 - Technical and Design lead at *ARDU PRIME AEPEY*

Right now I am building a team responsible for the *Ardu Crypto* app. My day-to-day work includes design, team coordination and mentoring as well as coding in *vue.js*. Also, I have an overview of the redesign of *THE GREEN CITY* mobile and web app.

2020 – Administrator of *demetriou engineering ltd*

My parents retired and I have been in charge of the family business.

2020-2022 – UX Designer/Systems Architect on contract at *outofbounds.gr*

This year I have been working almost full time as a UX designer and systems architect for *outofbounds.gr*. The current projects revolve around waste management and IoT. At the same time I have been working on the UX of user-facing web applications for a large private school in Thessaloniki.

2019 – Go/ActivityPub developer on contract at *write.as*

The 2nd semester of 2019 I have been working part time as a Go developer at *write.as*² an opensource, federated blogging platform. I have been working on both front-end (HTML/JavaScript) and back end (Go) development and I completed a full ActivityPub³ application called *pherephone*⁴ which aggregates posts from various fediverse accounts in a single place.

2015-2019 – Project Manager and 3D Printer developer at *demetriou engineering ltd*

Project Manager at the family company, *demetriou engineering ltd*. Led a team of 4 which was tasked to push the company towards agile, version control and modern working practices. I was also in charge of R&D, social media outreach, IT and business software.

As part of our R&D efforts I designed and built *Rosalind*, a completely parametric OpenSCAD CoreXY 3D printer. *Rosalind* is proudly part of the #RepRap project and licensed under the GPL.

2009-2015 – Co-founder and director at *outofbounds.gr*

In charge with visuals for our company and our client's. Built the brand of *outofbounds* as well as several other companies. Hand crafted the html/css/js code for dozens of websites back when browsers still worked against us. A

¹<https://rosalind.xyz>

²<https://write.as>

³<https://activitypub.rocks>

⁴<https://github.com/writeas/pherephone/tree/develop>

project I have been particularly proud of is *secos.gr* where I did the full branding/coding/3Dgraphics/print work. The brand is defunct but an archive still lives here⁵

At outofbounds I worked intensively with *php* backend code, including a white-label customer research tool and bridging system with a Microsoft stack CRM. In those projects I also dipped my toes into MySQL. I have since created several other php projects and I have been introduced to the laravel framework.

2008-2009 – Field engineer at *Attikat SA*

Field engineer at the *Stylida* work site, part of the Athens - Thessaloniki motorway. The site included several km of Tunnels as well as bridges up to 30m high.

2008 – Car journalist, *evo magazine*.

2007 – Structural analysis and design, *Platon Stylianou engineering firm*.

2006 – Wedding photographer, *Tasos Kyriakides Photo Studio*.

Skills and Interests

Photography

Many years of practice as a hobby and professionally. I have snapped more than 100K photos and have taken part in numerous exhibitions. I have also shot a short movie.

3D graphics

I know my way around 3D graphics suites especially *blender*. I always try to understand the physics of light, common in photography and 3D.

Coding

I've been coding since 10. I made my first website in 2001, one that went on to win the "best student website award" between schools of Athens. I have deep knowledge of web technologies, especially CSS.

Apart from that I am quite familiar with *Python* and *Go*, I know *php* very well and I have limited *C*, *C++* and *Qt* coding abilities: I built one of the first smartphone camera apps with raw support and software *Image Stabilization*.

Desktop Publishing

I know *Inkscape*, *Scribus* and the *GIMP* inside-out, and have designed more than a dozen business cards, folders, flyers and other print materials and oversaw the process from start to finish.

UX Design

I have designed the administration panel of dozens of websites including a full-fledged e-commerce platform, and I have been the lead designer for *nemomobile*, a GNU/Linux distribution for mobile phones.

⁵<https://qwazix.gitlab.io/secos/>

FLOSS development and community management

I have contributed to numerous Open Source projects, I have authored a few myself and I have been elected in the Maemo Community Council two times in a row. I've also attended several FOSDEM editions and gave talks in three of them.

Education

2011-today – Professional Training in various domains.

I have completed professional Make Up artist training, professional Bartending training, two intensive Creating Writing courses and several photography seminars and workshops.

2008 – Minor Degree in Management, *University of Cyprus.*

2007 – Bachelor's degree in Civil and Environmental Engineering, *University of Cyprus*

2006 – Independent research: *Solving structural problems with genetic algorithms.*

Languages:

I am fluent in English, Greek is my native language and I have *Delf II* in French though my French is really rusty.

Contact Info

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⁶<https://fosstodon.org/@qwazix>

⁷<https://qwazix.com/cv/cv.pdf>