

NICOLAS HAMILAKIS

nhamilakis.github.io

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EDUCATION

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| University Paris Diderot | 2014-2018 |
| · Master in Computer Science (Languages & Programming) | |
| University Pierre & Marie Curie | 2010-2014 |
| · Licences Sciences et Technologie mention Informatique. | |
| University Panthéon Sorbonne | 2009-2010 |
| · Cours de civilisation française | |
| 1st High school of Ierapetra | 2009 |
| · High school diploma in sciences & technology | |
| · Math, Physics, Computer Sciences and Finance | |

EXPERIENCE

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| LSCP Ecole Normale Supérieure, project BabyCloud | April 2018 - September 2018 |
| <i>Full Stack Development (Internship)</i> | <i>Paris</i> |
| · Development of a mobile multi-platform application (Ionic, AngularJS). | |
| · Development of a back-end service (Python, Flask) | |
| · Set-up of a back-end database (PostgreSQL) | |
| SAS Majoris-Conseil, project MylocalPhone | August 2017 - Present |
| <i>IT Maintenance & Android development</i> | <i>Paris</i> |
| · Technical maintenance, development, testing and on site installation of Android smartphones in hotels. | |
| UGC SA, Informatics R&D department | March 2016 - July 2016 |
| <i>Internship</i> | <i>Paris</i> |
| · Developing an API & an intranet website in ASP.NET/C# and AngularJS | |
| C.R.O.U.S de Paris | January 2008 - April 2010 |
| · Host in a student residence. | |
| KFC France | 2013 - 2014 |
| <i>Employee</i> | <i>Paris</i> |
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TECHNICAL SKILLS

Computer Languages	Java, C/C++, OCaml, Scala, Prolog
Script & Tools	Python, Perl, Bash/Linux, SQL (Postgres, MySQL), Git
Web	Html, JavaScript (JQuery, AngularJS), CSS, PHP, LaTeX

PROJECTS

Elysium

Android/Java - Cordova,html,css,JavaScript(AngularJS)

Android App

- Performed various maintenance and development tasks in an Android launcher application targeted for custom use in devices rented to hotels.

File Manager

C#/ASP.NET MVC - html,css,JavaScript(AngularJS)

Intranet Application & API

- Creating an API that indexes and manages a large list of files accross various servers in a Windows Environment. Creating an intranet website capable of searching tagging and managing the file system.

Linux Distrubution

C/Makefiles/Linux Configuration

Linux Kernel Compilation and Virtualisation

- Compile, package and virtualise(qemu) a minimal version of the linux kernel.

Hopix

Ocaml/Yacc

Compiler

- Implementing an Extension to an existing compiler written in Ocaml for a made up language called Hopix. Using Menhir an LR(1) Ocaml parser generator.

Driving Simulation

SCADE

Scade Synchronous Application

- Creating a driver that can follow an itinerary within a Scade implementation (Synchronous Real-Time Programming).

UML Editor

C++/Qt

GUI PC Application

- Creating a gui interface to build UML diagrams & implementing a code generator.

Lego MindStorm

Java/Linux

University project

- Building and programming a lego mindstorm project to participate in a competition. Follow a line on the ground, locate an object and collect it. Using a java implementation of the lego OS.

Flood-it

C/GTK

Mini Game for PC

- Implementation of the Flood-it game in C. Creating & implementing various solving algorithms.

Racing Cars Simulation

Java

Algorithm/Problem Solving

- Creating a smart driver that can complete a circuit in a given format. Elements of algorithmic (Dijkstra shortest path algorithm & finding the most optimized path).

VARIOUS

Languages

Greek | French | English