AYMEN DAOUDI
Software Development Engineer

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EMPLOYMENT

Software developer, **CRIM (Computer Research Institute of Montréal)** — Montréal, Qc, Ca. Aug 2017 – Nov 2017

- **Eclipse plugin:** Participated in the design, development and documentation of an Eclipse plugin for a programming language used to write test cases for a flight simulator.
- ❖ *Environment* ：Eclipse, Eclipse PDE, Java, ANTLR, XText, WindowBuilder.

Student Intern, **Savoir Faire Linux** — Montréal, Qc, Ca. Sep 2016 – Apr 2017

- **Software quality of P2P VOIP apps:** Studied the software quality of Ring software in term of performance and energy consumption, by assessing its CPU, Memory and bandwidth consumption and benchmarking it against other similar solutions such as Skype and Tox.
- **NeTraf:** Developed Netraf, a Linux utility for monitoring Bandwidth usage for TCP/UDP connections by process name. NeTraf helps monitoring the bandwidth consumption of a specific process. Source: https://github.com/AymenDaoudi/NeTraf
- ❖ *Environment* ：Linux, .NetCore, C#, Shell, GnuPlot, Netraf, IPTraf, IPTables, Nmon.

.Net/UWP Consultant, **Novasup** — Algiers, Algeria Feb 2016 – Aug 2016

- **Windows Store apps:** Helped designing, developing and publishing mobile apps for several Algerian news papers on the Windows Store.
- ❖ *Environment* ：Visual Studio 2015, C#, LINQ, UWP, Entity Framework, SQLite.

Developer Experience Technical Evangelist Intern, **Microsoft** — Algiers, Algeria Dec 2015 – Aug 2016

- **Collaboration and technical evangelism:** Collaborating with ISVs and startups on the integration of Microsoft Azure solutions.
  - Implementation of proof of concepts using platforms such as UWP and Microsoft Azure.
  - Helping several Algerian startups and ISVs to use cloud computing via Microsoft Azure.
- ❖ *Environment* ：Visual Studio 2015, C#, UWP, Entity Framework, SQLite, Microsoft Azure.

.Net developer, **HydraPharm Group** — Algiers, Algeria Sep 2014 – Dec 2015

- **Developing .Net applications:** Worked on internal projects delivering software for internal needs.
  - **HPCareers:** OCA (Occasionally Connected Application) for career management and human resources.
  - **SalesNow:** Application for monitoring and reporting real time sales data.
- ❖ *Environment* ：Visual Studio 2013, C#, WPF, MVVM, DevExpress, SQLServer 2008.

EDUCATION

Master of Science in Computer Science **UQAM | Université du Québec À Montréal** — Montréal, Qc, Ca Sep 2016 – Nov 2018

- **Main reseach project:** Conducted a research project aiming the automatic detection of presentation layer design patterns (MVC, MVP, MVVM) in Android apps through bytecode analysis. A tooled approach was proposed and an empirical study was conducted.
- **Paper submission:** Submitted a research article to the ACM SAC Conference (SAC'19) (Under review).
- **Research Project:** Participated in a research project with the company Savoir Faire Linux. Proposing solutions and techniques to assess P2P VOIP apps such as Ring, skype and tox software quality for performance and energy consumption.
- **Supervising:** Supervised a secondary school intern to build Mobile Application using Xamarin.
- **Teaching:** Giving Java courses and workshops for Bachelor students.

Computer engineer in Information systems (High Honour), **ESI | Ecole Nationale Supérieure d'Informatique** — Algiers, Algeria Sep 2007 – Juin 2014

- **Final Project:** Ranking web pages using Google's PageRank algorithm: study, modeling, implementation and simulation. Source: https://github.com/SamTheDev/PageRank-Analyzer

High school diploma (baccalauréat) (Honour), **Lycée Chihani Bachir** — Khenchela, Algeria 2004 – 2007

Other experience

Microsoft Student Partner, **Ecole Nationale Supérieure d'Informatique**   Algiers, Algeria
2011 – 2013
- **Activities and events:**Participating and organising DevCamps and Microsoft events in Algeria: Imagine Cup, Microsoft TechDays and Microsoft Connect.

Technologies

- **Programming languages**: C#, Java, LINQ, F#, C, SQL, JavaScript.

- **Scripting & Markup languages**: XAML, XML, Json, HTML, CSS, PowerShell, Shell.

- **Frameworks & Architectures**: .Net, .Net Core, Asp.net Core, Java, WPF, UWP, WindowsForms, Spring, EntityFramework, MVVM, MVC, MVP, JavaFx, Silverlight, Azure, Mockito, AssertJ.

- **IDEs**: Visual Studio, Visual Studio Code, Jetbrains, Eclipse, Eclipse PDE, Netbeans.

- **Version control and continues integration systems**: Git, VSTS, Jenkins, Visual Studio Online, Team Foundation.

- **Agile methods**: Scrum, XP, Kanban.

- **OS & Utilities**: Windows, Linux, LaTex, Microsoft Office (Word, Excel, PowerPoint), GnuPlot, Netraf, IPTraf, IPTables, Nmon.

Certifications

- **Microsoft Certified Specialist**: Programming in C#: Microsoft, License E716-0701(2014).

Prizes and awards

- **Exemption Scholarship**: Exemption from additional tuition fees for international students. Fall 2016 - Summer 2017, UQAM | Université du Québec À Montréal.

Languages

- **English**: Fluent.

- **French**: Fluent. Level C1: 579 (Test de Connaissance du Français, TCF).

- **Arabic**: Mother tongue.

Hobbies

- Books, Philosophy, Guitar (Flamenco, Blues, Algerian Chaabi) and ... programming too !

Links

- **in LinkedIn**: https://www.linkedin.com/in/aymendaoudi

- **Github**: https://github.com/AymenDaoudi

- **stackoverflow**: https://stackoverflow.com/users/2002048/aymendaoudi