



Mathieu Neron

Software Engineer

Summary

Software engineer with over 12 years of accumulated professional/internship experience. Versatile, bilingual professional with expertise from projects in the aerospace, gaming, consulting, e-signature, finance and data visualization industry.

Experience

2019–2023 **Tableau** Palo Alto, United States

Senior Software Engineer -> LMTS (React/Redux, Typescript, Java, C++/Qt)

- **Improved** on the newly released Object Graph project in the Data pane of Tableau, by adding transition animations, updated tooltips, alphabetical sorting in the graph, rerooting, etc.
- **Contributed** to the hybridization of a new Data Preview Area module to showcase the metadata/data grid + embedded relationship editor.
- **Onboarded** a new AI predictive model content type within Tableau Server, in order to integrate with Salesforce's Einstein discovery, contributing to 93+ Billion predictions per day.
- **Participated** in a few recruiting interviews and mentored an intern during the summer of 2021, alongside one of my colleague.

2016–2019 **Paysafe** Montréal, Canada

Java Developer (Angular 2+, Typescript, Java 7/8, Spring, Oracle)

- **Trailblazed** on a new frontend project in Angular 2+ for the new Merchant Portal application.
- **Invigorated** the Netbanx codebase by fixing bugs, adding unit tests, removing errors/warnings and implementing new features.
- **Slashed** execution time of frontend tests by a factor of six by switching from PhantomJs to the Nightmare browser automation library.

2014–2016 **eSignLive** Montréal, Canada

Java Developer (Java 7/8, Guava, Spring, AWS, MySQL)

- **Implemented and took ownership** of features requested by the product manager that were integrated in the eSignLive core application, processing over a billion documents/signatures each year.
- **Fixed** bugs in the backend codebase. Added API tests, increased code coverage by over 85% on classes with unit tests and applied the campfire rule when possible to ensure quality and maintainability.
- **Reduced** downtime of the Windows document converter by 50%.
- **Integrated** technologies: Equifax, Twilio, PDFBox, Google Noto Fonts.

2012–2014 **Avanade** Montréal, Canada

Application Developer: Consulted on the following contracts:

- **CN (C#/.NET, Sitecore)**
 - **Redesigned** the www.cn.ca website with other Avanade developers using Sitecore and C#/.NET, the main menu being my biggest contribution.
- **Hydro-Québec (Javascript, SAPUI5, Infragistics)**
 - **Programmed** an internal web-based time spreadsheet application used by Hydro-Quebec managers on their various projects.

Address

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Web & Git

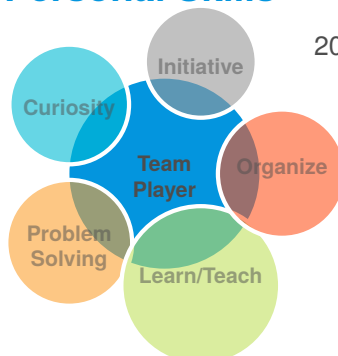
Linkedin profile
Github account

Programming



2014–2016

Personal Skills



2012–2014

OS Preference

GNU/Linux ★★★★★

MacOS ★★★★★

Windows ★★★★★

Languages

French ★★★★★

English ★★★★★

Internship Experience

2011

Electronic Arts Canada

Burnaby, Canada

Software Engineer Intern (C#/.NET, C++)

- **Implemented** a distributed system in C++/C# managing thousands of simultaneous automated online bots to test the load on SSX snowboard game's server, in collaboration with the Online/UI team.
- **Designed and assembled** a telemetry lookup system in ASP.NET using heat map data to illustrate the activity of players.
- **Showcased** the online bot tool to fellow interns, which was used afterwards to help present the multiplayer component of the game at Gamescom in Germany.

2010

Autodesk

Montréal, Canada

Software Engineer Intern (C++, Qt, Python)

- **Developed** an animation plug-in inside the Maya software using C++ and Qt with 4 other members of the Games team.
- **Wrote and tested** mathematical functions in Python for a bloc programming tool used by designers/artists for animation blending, applying what I learned during the internship.

2009

Ubisoft

Québec, Canada

QA Developer Intern (C#/.NET)

- **Developed/expanded** C# tools which were used by the dev teams of the studio to improve performance/conviviality.
- **Maintained and provided** support for the tool suite developed by correcting any bug that would arise.

2008

Lockheed Martin

Montréal, Canada

Software Evaluator Intern

- **Evaluated** a simulation software and insured its quality by writing automated test in Javascript with the TestComplete IDE in addition to writing procedure documentation.
- **Presented** the product in Halifax to clients and helped them understand its inner workings by providing a crash course as well.

Education

2007–2011

Bachelor of Computer Engineering

Université de Sherbrooke

Specialization in Software Engineering & Artificial Intelligence

Certifications & Conferences

- Sharepoint 2010 Boot Camp
- Consulting Excellence Foundations (April 2013)
- Codility Certification: <https://codility.com/cert/view/cert6AG9RU-X7CHVB5QVHFTSAZ4/>
- Angular 2 Professional Certification (December 2016)
- QCon New York 2018 Conference
- Tableau 2019 Boot Camp

Interests

Professional: cryptocurrency (did some mining back in 2013-2014), functional programming, machine learning & data science, software architecture, algorithms, design patterns, agile methodologies.

Personal: saxophone, reading, cooking, skiing, running, biking, hiking, traveling

February 11th, 2023

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