Mathieu Neron
Software Engineer

Address
1032 Mississippi Street
San Francisco, CA
94107
United States

Tel
628-358-8813

Mail
mathieu.neron.ing@
gmail.com

Web & Git
Linkedin profile
Github account

Programming

Personal Skills

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, Typescript, Java, Qt, C++)
- **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 support a Salesforce integration with Einstein.
- **Participated** in a few recruiting interviews and mentored an intern during the summer of 2021, alongside one of my colleague.
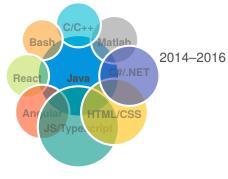
2016–2019 **Paysafe** Montréal, Canada
Java Developer (Angular 2+, Typescript, Java 7/8, Spring, Oracle)
- **Trailblazed** on a new frontend project in Angular 2+ for the new Merchant Portal application.
- **Invigorated** the Netbanx codebase by fixing bugs, adding unit tests. removing errors/warnings and implementing new features.
- **Slashed** execution time of frontend tests by a factor of six by switching from PhantomJs to the Nightmage 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.

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 2018 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

January 5th, 2023

Mathieu Neron