OLIVIER NOURRY

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows • macOS • Linux

Programming| Python (Most Proficient) • Java (Proficient) • NodeJS (Intermediate) • React (Intermediate)

Other technologies • Database • Libraries| Git • PostgreSQL • Splunk • Pandas • scikit-learn • nltk • REST API

Languages | French & English|Spoken & Written • Japanese | Spoken (intermediate)

Past work experiences | Data science and Machine Learning • Web development • Application development

EDUCATION

PhD Student (Expected Graduation 2025) **2022 – Present**

Kyushu University, Fukuoka, Japan

Research Topics: Empirical studies, Data mining, Defect prediction, Automatic build repair

Master of Information Science **2020 – 2022**

Kyushu University, Fukuoka, Japan

Research Topics: Software release process, Energy consumption in mobile devices, Software-based energy measurements, Refactoring

Bachelor of Engineering – Software Engineering **2015- 2019**

Concordia University, Montreal, Canada

Relevant Courses: Data Structure and Algorithms, Artificial Intelligence, Pattern Recognition, Multicore Programming

Diploma of College studies in Computer Science **2012-2015**

Collège de Rosemont, Montréal, Canada

AWARDS & DISTINCTIONS

Publications

O. Nourry, Y. Kashiwa, B. Lin, G. Bavota, M. Lanza, Y, Kamei; *AIP: Scalable and Reproducible Execution Traces in Energy Studies on Mobile Devices.* ICSME Tool-Track 2022 **(Core rank A)**

O. Nourry, Y. Kashiwa, Y. Kamei, N. Ubayashi; *Does shortening the release cycle affect refactoring activities: A case study of the JDT Core, Platform SWT, and UI projects***.** IST Journal 2021 **(Core rank A)** & ICSME Journal First Track 2021 **(Core rank A)**

R. Abdalkareem, **O. Nourry**, S. Wehaibi, S. Mujahid, E. Shihab; *Why do developers use trivial packages? an empirical case study on npm.* ESEC/FSE 2017 **(Core rank A*)**

Award: NSERC Undergraduate Student Research Award (USRA 2016)

Distinction: Selected as the Fukuoka goodwill ambassador to promote good relationships between Japan and Canada

WORK EXPERIENCE

Software Quality Engineer Intern **April 2021 – August 2021**
Apple Japan Inc, Kanagawa, Japan

My main tasks were to data mine large amounts of data then design, develop, deploy and maintain/improve machine learning solutions that can automate and optimize the categorization, clustering and triaging of SIRI bugs and test failures.

Technologies and libraries used: Pandas, Scikit-learn, nltk, gensim, Splunk

Research Assistant **September 2019 – Present**
Kyushu University, Fukuoka, Japan
https://posl.ait.kyushu-u.ac.jp/

Cognitive Automation Developer **May 2018 – September 2018**
Societe Generale Corporate and Investment Banking, Montréal, Canada
https://cib.societegenerale.com/en/

My main role was to design software solutions to automate my client's tasks. As part of my work for SG CIB, I had to :

- Analyze the feasibility and profitability of potential software solutions
- Write software specifications after getting the requirements from the user
- Develop bots, automation tools, browser automations and OCR tools in python
- Develop intuitive interfaces

HPC Junior System Analyst **May 2017– December 2017**
Shared Services Canada, Montréal, Canada
https://www.canada.ca/en/shared-services.html

I worked as an intern for the supercomputing department on the open source MetPX Sarracenia project. I also developed daemons to crawl real time meteorological data from all over the country to assist the data team with their meteorological predictions.

Technologies used throughout this position: Python, RabbitMQ, Linux

Research Assistant **September 2016– January 2017**
Concordia University, Montréal, Canada
http://das.encs.concordia.ca/

I was part of a research project aimed at optimizing the process of continuous integration using Travis CI on Github.

Technologies used throughout this position: PostgreSQL, Github, Python, Ruby, Travis CI

NSERC undergraduate student research **May 2016– August 2016**
Concordia University, Montréal, Canada

http://das.encs.concordia.ca/

Throughout this position, I led a research project to investigate the phenomenon of trivial node.js packages. My main tasks over the course of my research were as follow:

- Mine over 40k repositories on Github and 250k Node.js packages on the Node Package Manager platform.
- Conduct a survey involving over 80 node.js developers
- Present my results in a research paper and publish it to a conference or journal