

**Mananirina Razafitsiory**  
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I am a Ph.D. candidate in Economics at Laval University in Quebec, Canada. My research specializes in macroeconomics, international economics, and monetary economics, with a particular emphasis on exploring the relationship between work automation and business cycles.

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## EDUCATION

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<b>PhD Candidate, economics</b> Laval University, Québec, Canada Advisors: Nikolaos Charalampidis, Kevin Moran, Stephen Gordon	<b>2021-2025 (expected)</b>
<b>M. Sc in Statistics and Economics</b> National School of Statistics and Applied Economics (ENSEA), Côte d'Ivoire	<b>2016-2019</b>
<b>M. Sc in applied mathematics, Modeling and Computing</b> University of Antananarivo, Madagascar	<b>2015-2016</b>
<b>M. Sc in Macroeconomics and Modeling</b> University of Antananarivo, Madagascar	<b>2011-2015</b>

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## RESEARCH

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### Research interest

Macroeconomics, Automation, International economics and Monetary Economics

### Published paper

“Automation in an Estimated Small Open Economy Model”, with Nikolaos Charalampidis, accepted at Canadian Journal of Economics, [paper.pdf](#)

### Job market paper

“Automation, Job flows, and Monetary policy”, with Nikolaos Charalampidis, [JMP.pdf](#)

### Research in progress

“Monetary and Exchange Rate Policies under Diagnostic Expectations”, with Elekdag Selim Ali and Zanna Felipe

### Presentations

Canadian Economic Association (CEA), Online, 2024

Société Canadienne de Science économique (SCSE), Montréal, Québec, 2024

Internal seminar at Université Laval, Québec city, Québec, 2024

## **Before PhD research**

“The relationship between financial market development and economic growth in developing countries: the case of Côte d'Ivoire”, with Kadio Arthur Lionel, ENSEA 2019, supervised by COULIBALY Romaric

“The determinants of the adoption of good agricultural practices in cocoa cultivation in Côte d'Ivoire”, ENSEA 2018, supervised by Jean Mark Kouadio

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## **TEACHING EXPERIENCE**

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**Teaching Assistant, Macroeconomics I, ECN-7010**

**Fall 2024**

**Laval University, Quebec, Canada**

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## **PROFESSIONAL EXPERIENCE**

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**PhD Intern, Fund Internship Program**

**Summer 2024**

**International Monetary Fund (IMF), Washington D.C, United States**

Institute for Capacity Development, supervised by Elekdag Selim Ali and Zanna Felipe

**Research Assistant**

**2022-**

**Laval University, Québec, Canada**

Supervised by Professor Nikolaos Charalampidis (advisor for my PhD)

**Statistical Assistant**

**2022-**

**Statistics Canada, Quebec, Canada**

My main responsibilities include managing data repositories, training researchers in data analysis and conceptualization, providing IT support for statistical software usage, and managing research contracts.

**Data Analyst**

**2019-2021**

**SUNU Assurances, Abidjan, Côte d'Ivoire**

My main assignments include the automation of reporting and dashboards, conducting marketing studies, developing data collection and analysis tools, and project monitoring and planning.

**Internship report**

**Summer 2018**

**ENSEA, Abidjan, Côte d'Ivoire**

Completion of an internship aimed at obtaining my degree in Engineering Economist Statistician, focusing on the determinants of the adoption of good agricultural practices in cocoa cultivation in Côte d'Ivoire.

**Participation in the African Development Bank Survey Project Summer**

**2018**

**ENSEA, Toumodi, Côte d'Ivoire**

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## ACTIVITIES AND SOCIETIES

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<b>Representative of doctoral students</b>	<b>2024-2025</b>
Association of Graduate Economics Students at Laval University, Quebec, Canada	
<b>Vice President</b>	<b>2021-2022</b>
Solidarity of Malagasy Students and Researchers Association at Laval University, Laval University, Canada	
<b>President</b>	<b>2018-2019</b>
Association of Malagasy Students at ENSEA, Abidjan, Côte d'Ivoire	

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## SPECIFIC SKILLS

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**Languages:** French (native), English (fluent)

**Computer Skills:** Matlab (Expert), Dynare (Expert), Excel (expert), Stata (advanced), Python (intermediate), Power BI (advanced), R (expert), Eviews (Expert), Package Office (expert), Latex (Expert)

**Leadership:** Strong listening and communication skills, self-reliant and able to work in teams, quick to adapt, concise, and possessing a critical mindset.

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## REFERENCES

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### **Nikolaos Charalampidis (Advisor)**

Associate Professor, Université Laval

[nikolaos.charalampidis@ecn.ulaval.ca](mailto:nikolaos.charalampidis@ecn.ulaval.ca)

<https://nikolaoscharalampidisecon.wordpress.com/>

### **Kevin Moran (Co-advisor)**

Associate Professor, Université Laval

[kevin.moran@ecn.ulaval.ca](mailto:kevin.moran@ecn.ulaval.ca)

<https://www.fss.ulaval.ca/notre-faculte/repertoire-du-personnel/kevin-moran>

### **Stephen Gordon (Advisor)**

Full Professor, Université Laval

[Stephen.Gordon@ecn.ulaval.ca](mailto:Stephen.Gordon@ecn.ulaval.ca)

[Stephen Gordon | Faculté des sciences sociales | ULaval](#)

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## SCHOLARSHIPS AND DISTINCTIONS

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<b>Full scholarship for the four years PhD program</b>	<b>2021-2025</b>
Funded by research director, economic department at Laval University and tuition fee exemption.	
<b>Doctoral Writing End-of-Study Grant</b>	<b>2025</b>
Faculty of Graduate and Postdoctoral Studies of Laval University on a competitive basis.	

**CRREP excellence scholarship****2024**

Granted by Center for research on risks, economic issues and public policies on a competitive basis.

**CRREP excellence scholarship****2023**

Granted by Center for research on risks, economic issues and public policies on a competitive basis.

**Winner of the Statistical Economist Engineer Student Recruitment Competition 2016**

High-level technical and practical training for which candidates are selected through a highly competitive pan-African competition organized by the French institution CAPESA.