

Gilbert MONTCHO

LABOUR AND DEMOGRAPHIC ECONOMIST

SUMMARY

Research Analyst in social science, highly proficient in statistical programming and working with large dataset. Advanced degrees in Econometrics (MA) and Demography (Ph.D). Multicultural training and working experiences for over two decades in industry, academia and government. Eager to contribute to advancing social and economic wellbeing through a better understanding of labour market interactions.

WORK EXPERIENCE

Research Analyst, Portland State University, United States

JULY 2022 – PRESENT, FULL-TIME

- Equity Index Mapping Tool – Designed and implemented to help stakeholders identify vulnerable areas in Oregon for targeted policy interventions.
- AHUPS Web Tool – Developed as the online interface for PRC's Population Estimate Program, streamlining the reporting and review of annual population data from cities and counties across Oregon.
- Custom Mapping Dashboards – Created tailored dashboards for various PRC partners, including Portland Civic Life and the Multnomah County Library.

Lecturer in Economics, University of Ottawa, Canada

JULY 2023 – PRESENT, PART-TIME

- Labour and Population Economics (ECO2114, ECO2514) and Macroeconomics (ECO1502).
- Prepared course materials, including syllabi, lecture notes, assignments, and exams.
- Taught both in person and online using BrightSpace, MS Teams, and Zoom.

Doctoral Researcher, Université de Montréal, Canada

SEPTEMBER 2018 – DECEMBER 2021, FULL-TIME

- **Lecturer:** DMO1000 Introduction à la Démographie (May–July 2019), 3-week intensive course with in-person classes and workshops.
- **Teaching Assistant:** Supported SOL1020 Introduction à la statistique sociale, DMO1000 Introduction à la démographie, DMO3450 Économie et population; marked assignments and supervised exams.

PERSONAL INFO

Location: Ottawa, Canada

Phone: 9713375357

Email: gmontcho@uottawa.ca

Languages: English, French, Chinese

SOCIAL CONTACT

- Recent Activity: [LinkedIn \(@gilbertmosr\)](#)
- Developer Profile: [GitHub \(@poidstotal\)](#)
- Research Profile: [SSRN \(@4878430\)](#)

CURRENT EXPERTISE

- Social Policy Research: Labor markets, immigration, population aging, and AI Integration.
- Data Science: Statistical analysis, Machine Learning & AI Tools using R, Stata, Python and SAS.
- Web & DevOps: Full-stack expertise in HTML/CSS, JavaScript, PHP, and MySQL on AWS and Azure.
- Project Management: Lead planning, budgeting & risk management (Scrum, Kanban, Gantt).

RESEARCH PORTFOLIO

Current Projects

- Retirement Timing and Accumulated Wealth at Age 60 and Beyond in Canada
- Assessing the effect of Collecting CPP/QPP at 60 on retirement income and the GIS
- Determinants of Food Insecurity in Canada: A Machine Learning Approach

- **Research Assistant:** Data cleaning and matching for the 1921 Canada census (PRDH) and ERVIPOP cross-tabulations and methodology support.

DevOps Architect & Scrum Master, StarByte, China

JANUARY 2021 – JUNE 2021, CONTRACT

- Led a 10-person developer team delivering a SaaS product within a 6-month contract.
- Implemented Scrum/Kanban workflows, plus OKR and KPI tracking to improve delivery and accountability.
- Integrated Docker and contributed to YII backend and React frontend development.

Web Project Manager, Yeaoh Media, Inc, Chengdu, China

AUGUST 2011 – AUGUST 2015, FULL-TIME

- Planned, estimated, and monitored web projects across cross-functional teams.
- Coordinated client-developer communications and supported hiring and admin tasks.
- Delivered 20+ projects, improved profitability by 30%, and sustained 70%+ annual retention.

Software Architect & Consultant, Symbio, China

JULY 2012 – DECEMBER 2017, CONTRACT

- Developed REST APIs on Drupal and built workflow automation with CakePHP.
- Created and managed Magento stores, including DesignersHouse and KS Store.
- Delivered contract solutions across backend and frontend needs with a small team.

Web Developer, OSIC Software Innovation Center, China

FEBRUARY 2009 – JULY 2011, FULL-TIME

- Developed PHP, Drupal, and WordPress applications for client projects.
- Managed customer communications to align requirements with delivery.
- Promoted to team leader within one year and led development of KungfuEnglish.

Published Papers

- Population Aging and Work Life Duration in Canada. Published in Canadian Public Policy, Vol. 49, Issue S1, February 2023, pp. 32-47.
- Le vieillissement démographique et l'offre agrégée de travail : le cas du Canada de 1981 à 2016. Upcoming in Cahiers Québécois de démographie.
- See full list of my open articles on my research profile page: [SSRN](#).

EDUCATION

Ph.D. in Demography, Université de Montréal, Montréal, Canada

SEPTEMBER 2016 – JUNE 2022

MA in Econometrics, Southwestern University of Finance and Economics (SWUFE), Chengdu, China

SEPTEMBER 2007 – DECEMBER 2009

BA in Planning and Spatial Management, Université d'Abomey-Calavi (UAC), Cotonou, Benin

SEPTEMBER 2002 – DECEMBER 2005

REFERENCES

Marcel Mérlette, University of Ottawa – mmerette@uottawa.ca

Yves Carrère, University of Montreal – yves.carriere@umontreal.ca

Ethan Sharygin, Portland State University – sharygin@pdx.edu