

Name **CARLA ANGELA INTAL**
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SUMMARY

- Over 10 years experience in quantitative analysis, research, and econometrics, six years in an international setting (183 countries).
- Thought leader in data visualization and analytics at the International Monetary Fund
- Lead community organizer for DC Data Viz meetup group (7000+ members to date)
- Research interests in machine learning, data analytics, and visualization, particularly for Fintech, macroeconomics and cross-country applications.

EDUCATIONAL BACKGROUND

University of Oxford

2018-present: MSc Social Data Science, certificate in FinTech

General Assembly

2016; 2018: Data Science

Final project: Determinants of Ownership in IMF-Supported Programs (2018) [Presentation Github](#)

Beyond Income: A New (Structural) Classification of the World (2016) [Presentation Github](#)

2017: Data Analytics

Final project: 1,000 Songs to Hear Before You Die [Tableau](#)

2018: Visual Design

Final project: Mojambo: Sponsor an African Education from the UK [Website](#)

London School of Economics and Political Science

2014: Advanced Econometrics summer course

Johns Hopkins University

2011: Masters in Applied Economics (GPA: 3.86/4.00)

Thesis: "Experience & Heterogeneity in treatment decisions: Evidence from a Discrete Choice Experiment"

University of the Philippines

2004: Bachelor of Science in Economics

- Recipient, Dean's medal award
- Awardee for Best Research Team, 3rd Young Economists Convention
- Two-time college scholar

PROGRAMMING SKILLS

STATA: 10/10

Tableau: 9/10

Python: 7/10

Scikitlearn: 7/10

HTML/CSS/Photoshop: 8/10

SQL: 6/10

RESEARCH PROJECTS

Data Science: github.com/carlaint

- Determinants of Ownership in Fund-Supported Programs (completed)
Random forest, K-Nearest Neighbors, and Logistic Regression to seek the best predictive model of access to IMF facilities, and rank the best predictors for completion of Fund programs.
- Machine Learning and Multilateralism: the Case of Country Classifications (completed)
I show why income groups (high, middle, low-income) are less relevant than they were 40 years ago, using machine learning clustering algorithms (K-means, hierarchical, DBScan).
- A Word2Vec analysis of "Evenhandedness" in IMF Board documents (completed)
I performed text analytics on IMF board minutes (13 million sentences) to see word relationships to terms such as "evenhandedness," "corruption", etc. Also my first attempt at tensorflow / gensim.
- Graph Analysis of Trade Networks (in progress)
The goal is to unlock relationships and clusters among countries, in exports and imports over time.

Data Viz: public.tableau.com/profile/carlaint#!/

- Export Quality Diversification – worked with IMF's Research Department on automating the Diversification toolbox, i.e. granularizing and parsing the Export quality index up to 4-digit SITC
- International Financial Statistics – a collaboration with IMF's Statistics Department, on presenting their key economic indicators on a visually-appealing dashboard.
- Over 50+ dashboards authored on imf.tableau.org (screenshots and user statistics available on request)

RELEVANT WORK EXPERIENCE

International Monetary Fund

Research Analyst

May 2012 to Oct. 2015; Feb 2018- Sep 2018

Strategy, Policy, and Review

- Developed machine learning models, data visualizations and analytics for the Review of Conditionality project.
- Led a team of 10 for the IMF Innovation Lab's data analytics group.
- Provided macroeconomic research and econometric analysis, including presentation of data and results. Co-authored and contributed on research outputs by SPR (comprehensive list available)
- Led and organized several IMF conferences and workshops (comprehensive list available)
- Leads divisional research work on machine learning and innovation, on topics such as clustering of country programs; text analysis, and dashboard creation.

Research Assistant to the Deputy Managing Director

March 2016 to Sep 2018

- Prepared technical communications (draft speeches, presentations, media interviews, panel discussions, and other data requests from IMF Management)
- Accompanied the Deputy Managing Director on official functions locally (DC – NYC).
- Provided comments on Management memos on knowledge management and data analytics
- Led Fund-wide projects on innovation topics (Tableau/DataViz, DataSci, KM, FinTech, etc)

Information Officer

Oct. 2015 to Mar 2016

Research Department- World Economic Studies

- Conducts data validation for global economic indicators of 21 IMF member countries
- Led and written the draft for the sectoral classification of data at the IMF

The World Bank

Gender Data Consultant

Feb to May 2012

Poverty Reduction and Economic Management

- Core member of the Working Group on Gender Equality Data and Statistics, and headed interdepartmental consultations on relevant content, articles, and dashboard indicators
- Part of an interdepartmental team that led the development of the World Bank Gender Equality Data & Statistics portal, <http://datatopics.worldbank.org/gender/>

Consultant - Concessional Finance and Trust Fund Operations

May 2011 to Sept 2011; May 2012

- Generated analytics on the decision to consolidate or retire donor trust funds (over 750+ trust fund proposals and initiating briefs)
- Reported results and disbursement statistics of donor trust funds

United Nations Foundation

Transactions Manager

Washington, DC

Sept 2011 to Jan 2012

Innovative Financing for Global Health

- Program manager of the UNF's Innovative Financing project, the Pledge Guarantee for Health (PGH)
- Led campaigns and created promotional material within the UNF system (Busanovate, global aid effectiveness; PGH website; PGH kits in different languages, etc)
- Led the risk analytics study for UNF: "What causes delays in disbursements for GFATM-Funded programs?"

Johns Hopkins Bloomberg School of Public Health

Research assistant to Dr. Patrick Breyse and Prof. David Holtgrave

Baltimore, Maryland

May 2010 to May 2011 (Part-time)

- Worked on the economic evaluation for Baltimore City Health Department's Reducing Asthma Disparities Initiative by conducting econometric modeling, cost-effectiveness analyses, cost of illness and cost of intervention analyses.

NON-RESEARCH PROJECTS AND LEADERSHIP

External projects (DC-area and beyond)

- 2018 to present: SeekRefuge (Blockchain digital identity for refugees) – Code-a-thon winner; currently in grantseeking stage across different multilateral stakeholders.
- 2016 to present: Data Viz DC Meetup Lead Community Organizer – 7,000 members; I handled speaker screening, venue selection, on-the-day logistics, slide preparation, hosting. Now, I manage a volunteer team of 12.
- 2017: DC Data Community Mentor-Mentee program – *Participant and collaborator*
- 2017: Mojambo.co.uk (formerly RemitShop): Fintech for Africa – Start-up weekend first prize (UK)

IMF-linked

- 2018 Data Viz Day – *Lead organizer; events: Hackathon, Lightning Talks, Meetup, Dashboard Demo*
- 2018 IMF Innovation lab data analytics team – *Lead, team of 10*
- 2017 Data for Social Good @ IMF – *Hackathon lead organizer, 90 participants*
- 2017 IMF Innovation Challenge for Students of Grad Schools – *\$10k Innovation Fund recipient*