

# Justin Raymond S. Eloriaga

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## Curriculum Vitae

### EDUCATION

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- **De La Salle University** Manila, Philippines  
*Master of Science in Economics* January 2018 - April 2019  
*Notable Awards: Young Economist's Honor Society (2019)*
- **De La Salle University** Manila, Philippines  
*Bachelor of Science in Applied Economics; GPA: 3.84/4.00* May 2014 - January 2018  
*Notable Awards: Summa Cum Laude, Jose Rizal Honors Society, Top of the Economics Batch, Gold Medal for Excellence in Economics, Most Outstanding Practicum Student*
- **Emory University** Atlanta, Georgia, U.S.A.  
*Doctor of Philosophy in Economics (Ongoing)* August 2021 - Present  
*Notable Awards: Fulbright Foreign Student Scholarship and James T. Laney Graduate School Fellowship*

### EXPERIENCE

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- **Bangko Sentral ng Pilipinas (Central Bank of the Philippines)** Government  
*Central Bank Associate* August 2020 - August 2021
  - **Young Professionals Program:** Part of the BSP's first cohort of the Young Professionals Program
  - **Development of Macrofinancial Surveillance Models:** Term at Risk, Inflation at Risk, Growth at Risk, Risk Metrics, Uncertainty Indices, etc.
  - **Development of High Frequency Proxy Indicators:** Generation of unemployment, price, and output indicators using non-traditional economic variables
  - **Impact Evaluation of Monetary Policy using Natural Experiments:** Pioneering the use of synthetic controls to determine the impact of unconventional monetary policy actions on key financial market variables
- **De La Salle University** Academe  
*Assistant Professorial Lecturer* September 2019 - Present
  - **Graduate Courses Taught:** Time Series Econometrics, Advanced Microeconomics I and II, Financial Economics, Financial Calculus, Mathematical Economics
  - **Undergraduate Courses Taught:** Mathematical Economics, Economic Statistics, Econometrics, Index Number Theory, Introduction to Data Science, Impact Evaluation
- **Bangko Sentral ng Pilipinas (Central Bank of the Philippines)** Government  
*Data Analytics Specialist* August 2019 - August 2020
  - **Generating News Based Uncertainty Indices:** Part of the BSP's first Big Data Team tasked to generate economic policy uncertainty indices for macrofinancial surveillance.
  - **Sentiment Analysis of Central Bank Communication:** Made the initial approach on conducting sentiment analysis on BSP communications
- **De La Salle University** Academe  
*Research and Teaching Assistant, Dean of the School of Economics* December 2016 - August 2019
  - **Impact Evaluation of Technical Education Programs in the Philippines:** Commissioned by TESDA-Philippines to conduct an impact evaluation of the TVET programs rolled out in the Philippines
  - **Impact Evaluation of Rural Road Networks in the Philippines:** Commissioned by JICA to conduct an impact evaluation of Rural Road Networks in the Philippine provinces
  - **Developing an Impact Evaluation Course for the National Economic and Development Authority:** Organized, assisted, and lectured in an impact evaluation training course for staff of the NEDA, the Philippines' economic authority
  - **Lectured Courses and Provided Tutorials:** Econometrics, Financial Econometrics, Mathematical Economics, Operations Research, Microeconomics, Macroeconomics, Impact Evaluation

### PUBLICATIONS

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- **Policy Brief:** Cororaton, C. Eloriaga, J., Tiongco, M. (2019). Assessing the Potential impacts of the Tax Reform for Acceleration and Inclusion and the Build Build Build Program. Angelo King Institute for Economic and Business Studies Policy Brief Volume XIII-4-2019.
- **Policy Brief:** Tullao, Jr., T., Eloriaga, J. R., Sunyoung, W. (2019). Knowledge capital in the Philippines. AKI Policy Brief, Volume IX, No. 8.

## WORKING PAPERS

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- **Research Paper:** Arcin, A., Basilio, J., Eloriaga, J., Guliman, M., Jasmin, M. (2020). Developing an Economic Policy Uncertainty Index for the Philippines.
- **Research Paper:** Eloriaga, J., Dumagan, J. (2020). Dissecting the Intersectoral Reallocation Effects in Industry Level Labor Productivities in the Philippines: Are the Effects in the Right Direction?
- **Research Paper:** Eloriaga, J., Fernandez, J. (2020). Do Unconventional Monetary Measures Make a Difference?

## HONORS AND AWARDS

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- Young Economists' Honor Society - November 2019
- Sixto K. Roxas Gold Medal for Excellence in Economics - April 2019
- Jose Rizal Honor Society Full Member - April 2019
- Lasallian Excellence Awards: Champion, The Outstanding Young Men/Co-eds - August 2018
- 14th ECONOMIX Global Economic Challenges Champion - July 2016

## CO-CURRICULAR ORGANIZATIONS

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- The Lasallian Graduate Economics Society** Manila, Philippines  
*Performance Head and Founding Executive Board Member* *January 2019 - August 2019*
- **As Performance Head:** Led the team of graduate students facilitating graduate tutorial programs and academic aptitude enhancement schemes
  - **As Founding Executive Board Member:** Established the Lasallian Graduate Economics Society as a professional organization.

- Economics Organization** Manila, Philippines  
*17th Young Economists' Convention Commissioner and Executive Board Member* *December 2017 - December 2018*
- **As Commissioner:** Led the most attended, longest running and highly recognized student organized series of conventions in the field of Economics in the Philippines supported by the top research institutions and think tanks.
  - **As Executive Board Member:** Facilitated all the research activities of the organization

- Economics Organization** Manila, Philippines  
*Vice President for Academics and Head Tutor* *December 2016 - December 2017*
- **As Vice President:** Led all academic capacity building and tutorial programs handled by the organization
  - **As Head Tutor:** Facilitated all the members in the pool of tutors

## TRAINING ATTENDED

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- **SEACEN-BSP-BOJ Advanced Econometrics for Central Banking Course:** SEACEN Institute
- **Workshop on Dynamic Stochastic General Equilibrium with Dr. Lawrence Christiano:** Bangko Sentral ng Pilipinas Institute

## CONFERENCES PRESENTED

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- **43rd Federation of ASEAN Economic Associations Conference:** Plenary Speaker presenting his paper entitled "Nationalizing Minimum Wage, Can the Philippines take the Toll?"
- **APEC Studies Centers Consortium Conference:** Plenary Speaker presenting a paper on Tech Liberty
- **DLSU Research Congress 2019:** Poster Presentation on Dissecting the Inter-sectoral Reallocation Effects of Industry Level Labor Productivity (Best Poster)
- **DLSU Economics Leaders Congress 2019:** Distinguished Delegate's Address

## CONFERENCES ATTENDED

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- **4th Discussion Forum on Responsible Mining:** Chamber of Mines of the Philippines
- **43rd Federation of ASEAN Economic Associations Conference:** Federation of ASEAN Economic Associations
- **Philippine Economics Summit 2019:** Philippine Economics Society
- **Philippine Economics Summit 2018:** Philippine Economics Society
- **APEC Studies Centers Consortium Conference:** Asia Pacific Economic Cooperation (APEC)
- **17th Young Economists' International Convention:** De La Salle University
- **14th ECONOMIX Global Economic Challenges:** Universitas Indonesia

## SKILLS SUMMARY

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- **Languages:** Python, R, L<sup>A</sup>T<sub>E</sub>X
- **Frameworks:** Keras, NLTK, Sci-kit, TensorFlow, Keras, Pandas, Matplotlib, NumPy
- **Software:** STATA, EViews, Matlab, GAMS, Gretl, Mathematica, Final Cut Pro X

## PROFESSIONAL AFFILIATIONS

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- **Philippine Economics Society:** *Young Economists' Honor Society Member*
- **Philippine Statistical Association:** Member
- **Western Economic Association International:** Member

## REFERENCES

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- **Dr. Marites M. Tiongco:** *Dean, De La Salle University School of Economics* marites.tiongco@dlsu.edu.ph
- **Dr. Jesus C. Dumagan:** *Affiliate Professor and Scientist in Residence, De La Salle University School of Economics* jesus.dumagan@dlsu.edu.ph