

Jose C. Lopez Ninantay

1214 Atlantic Dr NW, Atlanta, GA 30318 · jninantay3@gatech.edu · (404) 960-0880

Education

Georgia Institute of Technology, Atlanta, GA (January 2019 – Present)

Ph.D. in Chemical Engineering with Minor in Polymer Science. Expected May 2024.

M.S. in Chemical Engineering. Awarded May 2021. GPA: 3.80/4.00

The University of Kansas, Lawrence, KS (August 2013 – May 2017)

B.S. in Chemical Engineering with Minor in Economics. Awarded May 2017. GPA: 3.86/4.00

Experience

Department of Chemical & Biomolecular Engineering, Georgia Institute of Technology, Atlanta, GA

Graduate Research Assistant – Metamaterial-Inspired Anisotropic Membranes for Highly Efficient Separation of Gas Mixtures (Spring 2020 – Present)

- Relevant tools: Dip-coater for Layer-by-Layer (LbL) assembly of multilayered polymeric composites.

Graduate Teaching Assistant – CHBE 4412 Process Control Laboratory (Spring 2019), CHBE 3210 Transport Processes II (Spring 2020, Fall 2020)

Center for Environmentally Beneficial Catalysis, The University of Kansas, Lawrence, KS

Research Assistant – UV-Visible Spectroscopy and Temperature-Programmed Reduction as Tools for Structural Characterization of Fe(III) in Mg-Al-Fe(III) Mixed Metal Oxides (Fall 2017, Spring 2018)

- Relevant tools: UV-vis spectroscopy, TPR, XRD, XRF, BET, Raman IR, MS.

Undergraduate Research Assistant – Synthesis and characterization of Mg-Al-Fe(III) Layered Double Hydroxides (Summer 2015, Fall 2016)

A.W. Faber Castell Peruana S.A., Ate, Lima, Peru

Quality Control R&D Intern – Characterization and performance testing of locally manufactured office items, inks, and paints (Summer 2016)

- Relevant tools: Viscometer, Rheometer, ICP-AES, GC-MS, HPLC.

Department of Chemical & Petroleum Engineering, The University of Kansas, Lawrence, KS

Undergraduate Teaching Assistant – CPE 521 Heat Transfer (Spring 2017), CPE 511 Momentum Transfer (Fall 2016)

Undergraduate Grader – MATH 221 Applied Differential Equations, MATH 122 Calculus II, CPE 121 Introduction to Computers in Engineering

Honors & Awards

- The Engineering Honor Society of Tau Beta Pi
- The Honor Society of Phi Kappa Phi
- The University of Kansas Honors Program
- KU Chemical & Petroleum Engineering Departmental Honors
- KU School of Engineering Martha Simon David Merit Scholarship
- KU School of Engineering Dean's Honor Roll (Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016)
- Institute of International Education (IIE) 4-year Full-Tuition Scholarship

Skills

- Languages: Spanish (first language), English (fluent), Portuguese (advanced), French (conversant)
- Computer experience: MS Office, ASPEN Plus, CHEMCAD, COMSOL Multiphysics, MATLAB, AutoCAD, QtiPlot (Origin)
- Musical: Classical Guitar Performer (National University of Music, Lima, Peru)

Activities

- Member of the Society of Hispanic Professional Engineers (SHPE) (Fall 2015 – Present)
- Member of the American Institute of Chemical Engineers (AIChE) (Fall 2015 – Present)
- Intramural Sports Chair at GT Chemical Engineering Graduate Students Association (AChEGS) (Fall 2020 - Present)
- Secretary at GT Latino Organization of Graduate Students (LOGRAS) (Summer 2019 – Summer 2020)
- Cultural Chair at KU International Student Association (ISA) (Fall 2014 – Fall 2015)
- Resident Assistant at KU Student Housing (Summer 2015, Fall 2015)
- Volunteer at GT SHPE's Taste of Latin America (Spring 2020, Spring 2021)
- Volunteer at KU School of Engineering K-12 Expo Fair (Spring 2018)
- Volunteer at KU Department of Chemical & Petroleum Engineering High-School Summer Camp (Summer 2017)
- Volunteer at KU International Student Orientation (Spring 2018, Fall 2017)
- Player at GT Men's Soccer Club (Spring 2019, Summer 2019)