JOSÉ R. AGUILAR JR.

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EDUCATION

University of California, Berkeley Berkeley, CA
Ph.D. Education Student - Policy, Politics, and Leadership Fall 2023 - Present

Loyola Marymount University Los Angeles, CA
M.A. in Urban Education, Policy & Administration May 2022

The University of Texas at Austin Austin, TX
B.S.A. in Computer Science May 2020
B.A. in Government, Mexican American & Latina/o Studies

Honors/Awards: Edmundo Litton Research in Urban Education, UT System Archer Fellow, UT Austin: College of Natural Sciences Aspire Leadership & Service Award, Deans List, Hispanic Scholarship Fund Scholar

RESEARCH EXPERIENCE

Exploring Math Equity in California Public Schools June 2022 - August 2022
Education Trust West (ETW), Russlynn Ali Fellow *Oakland, CA*

· Collected statewide socioeconomic, and ethnic sub-group raw data based on strategic equity metrics of math assessment scores, A-G requirements, and graduation rates.
· Implemented big data pipelines such as hierarchical clustering to evaluate and visualize the extent to which school districts produce equitable math practices and policies.
· Identified 20+ outlier school districts with favorable sub-group graduation rates, state testing outcomes and conducted online surveys to learn more about their practices.

Narratives of Why BIPOC Women go into Higher Education in STEM August 2021 - April 2022
Specialized Program in Urban Education, Masters Capstone, Loyola Marymount University *Los Angeles, CA*
Adviser: Dr. Maryann Krikorian, School of Education, Loyola Marymount University

· Collaboratively developed and implemented a qualitative narrative study on the main motivating factor of why BIPOC women decide to pursue STEM in higher education.
· Conducted a literature review on STEM educational attainment through the frameworks of intersectionality, social career theory, and figured worlds.
· Codified interview transcripts to produce four factors that can be adapted in K-12 STEM classrooms.

PRESENTATIONS

Aguilar, J. (2022, August). *Critical Mentoring in the Classroom: Practices and Experiences of a Latino Male Educator Teaching BYMOC.* Presentation at the Texas Male Student Leadership Summit, Austin, TX.

Aceves, M., **Aguilar, J.**, Bebe, V., Johnson, J., Joiner, S. (2022, September). *Teacher Pipeline, Pay and Protections.* Virtual Panel Presentation for Leadership for Educational Equity California

PROFESSIONAL EXPERIENCE

The Campaign for College Opportunity August 2023 - Present
Policy Research Fellow *Berkeley, CA*

· Support original and secondary research and analysis to identify and disseminate relevant and reliable information on California public higher education and the experiences of low- income, underrepresented, and undocumented students.
· Perform quantitative and qualitative research and prepare analyses; Monitor federal, state, and local higher education policies and programs, and prepare reports, memos, briefs, blogposts, and other content to communicate findings and recommendations to staff and external audiences.

Manual Arts High School - College Preparatory Magnet August 2020 - June 2021
Computer Science & Math Teacher, Secondary Single Subject Mathematics Credential *Los Angeles, CA*
- Provided engaging remote data-driven and in-person differentiated instruction for approx. 280 students in the following courses: Algebra II, Pre-Calculus, Exploring CS, AP Calculus AB & AP Computer Science.
- Incorporated culturally relevant STEM pedagogy by focusing on current events, advocacy, and anti-racist socialization in mathematics, developing positive math and growth mindset attitude.
- Lead the development of rigorous math performance assessments utilizing thinking classrooms model of instruction and developing interactive technology assisted activities.

Education Trust West (ETW) June 2022 - August 2022
Math Equity Research, Russlynn Ali Fellow *Oakland, CA*
- Created quality assurance protocols concerning collecting and analyzing aggregate state data and shared best practices for future use.
- Presented quantitative and qualitative data and the corresponding analysis to equip ETW to produce recommendations to advanced equity in mathematics.

iD Tech Camps May 2020 - August 2020
Computer Science Instructor *Remote*
- Taught Electrical Engineering & Python, Machine Learning and Java courses for ages 13-18, formulated individualized lesson plans, assessments, and behavior discipline techniques.
- Pioneered the use of problem-solving acquisition with critical thinking activities to enhance comprehension such as round table presentations or close ethical reading.

United States House of Representatives - Sylvia R. Garcia (TX-29) May 2019 - August 2019
Congressional Hispanic Caucus Institute (CHCI) Congressional Intern *Washington, DC*
- Assisted in-house counsel by conducting testimony vetting for House Judiciary Committee hearings dealing with immigration, civil rights reparations, and constitutional law leading to effective questioning.
- Wrote and analyzed legislation co-sponsor proposals, including political recommendations, support arguments, and advocacy support, resulting in 145 co-sponsored bills for the 116th Congress.

League of United Latin American Citizens (LULAC) National Office January 2019 - May 2019
Youth & Education Programs Intern *Washington, DC*
- Oversaw community partnership development projects, which included management of grant applications, report writing, and initiated National Youth Convention programming.
- Scheduled over 200 congressional office meetings for our board of directors and delegations to support advocacy efforts.

Microsoft Corporation May 2018 - August 2018
Explorer Intern *Seattle, WA*
- Collaborated with other interns to improve upon a monitoring solution to support the security intelligence platform that provides internal intelligence data analytics and risk migration assessments.
- Attained reliable status updates and alert notifications for 300+ big data pipelines that ensure adequate, secure protection of Microsoft internal assets and reduced security risk.

UNIVERSITY SERVICE & INVOLVEMENT

University of Texas at Austin Office of Admissions May 2019 - May 2020
Welcome Center Student Ambassador *Austin, TX*

· Serves as an official tour guide of the university campus including, giving information about tuition, academics, housing, and student life for over 250 prospective students and parent guests per week.
· Facilitated front desk operations by providing answers to common admissions questions, taking in admissions documents from students, and assisting with a smooth check-in process for tour guests.

UT Austin College of Natural Sciences   August 2017 - May 2018
Texas Interdisciplinary Plan Scholar Mentor   *Austin, TX*

· Guided current college first-years on their transition from high school by having weekly discussions and individual meetings.
· Incorporated thoughtful dialogues about imposter syndrome, first generation struggles, and home sickness.

UT Austin Division of Diversity & Community Engagement   January 2017 - May 2019
Project Mentoring to Achieve Latino Education Success(MALES) Mentor   *Austin, TX*

· Developed discussions with at-promise young students of color about the importance of goal setting, brotherhood, and education. Instilled the use of critical race theory to lead culturally relevant mentoring and emotional support.
· Utilized scholarly-based method to instill values of identity, leadership, health & wellness through physical & social activities.

UT Austin Cockrell School of Engineering   August 2016 - May 2020
Society of Hispanic Professional Engineers (SHPE): President, Secretary, Member   *Austin, TX*

· Lead a 250 student chapter and 12 person officer board of Hispanic engineering students to empower the Hispanic community to impact the world through STEM awareness, access, support, and development.
· Organized and facilitated professional development workshops, academic supports, graduate school supports, leadership development and K-12 STEM outreach on behalf of the Equal Opportunity in Engineering Program.

Hispanic Scholarship Fund (HSF)   June 2016 - June 2018
Youth Leadership Institute - Mentor   *Los Angeles, CA*

· Co-led four college readiness conferences serving 300+ high achieving high school students and mentored 12 participants during their college application process to prevent under matching.

MIT Office of Engineering Outreach Programs (OEOP)   June 2017 - January 2018
Online Facilitator - Content Curator   *Cambridge, MA*

· Guided upcoming high-achieving high school seniors, by promoting STEM careers through obtaining higher education. Programmed STEM access, inclusion, and support curriculum utilizing article based discussions and guided writing exercises.

ASSOCIATIONS & LEADERSHIP

One Day Fellow, Teach For America Los Angeles	August 2022 - Present
Statewide Impact Fellow, Leadership for Educational Equity California	September 2022 - Present
Title I School Site Council Chairperson, Manual Arts High School	September 2021 - Present
Computer Science Teachers Association (CSTA), Southern California Chapter	August 2020 - Present
Society of Hispanic Professional Engineers, Greater Los Angeles Chapter	August 2016 - Present
Teach For America Corps Alum, Los Angeles	June 2022 - Present
Congressional Hispanic Caucus Institute (CHCI) Alumni Association	August 2019 - Present

SKILLS & INTERESTS

Interests	Education Advocacy, Musicals, LGBTQ+ Rights, Youth Mentoring, & Latinx Current Events
Skills	Java, C++, Python, Data Science, Policy Analysis, Curriculum Design & Spanish