

AJ Alvero

831-320-0734

aaronjalvero@gmail.com || ajalvero@stanford.edu

Education and Certification

Stanford University, PhD in Education, 2022 (expected)

Sociology of Education || Race, Inequality, and Language in Education

Stanford Interdisciplinary Graduate Fellow

Florida International University, MS in Foreign Language Education (TESOL), 2016

Thesis: *Efficacy and Implementation of Automated Essay Scoring Software in Instruction of Literacies to High Level ELLs*

University of Miami, BA in English, 2012

Modern Languages Minor (Spanish and Haitian Creole)

Experience

Stanford University:

Teaching Assistant (2016-Present)

Teacher Education

EDUC240 - Adolescent Development (PI: Linda Darling-Hammond, Michael Sadowski, and Shayna Sullivan)

EDUC289 - The Centrality of Literacies (PI: Antero Garcia)

EDUC299 – Equity and Schooling (PI: Jonathan Rosa)

Data Science

EDUC423/SOC302 – Introduction to Data Science (PI: Dan McFarland, Sanne Smith)

Research Assistant (2016-Present)

“Eye Tracking and Lacuna Stories”: Conducted fieldwork and research project using eye-tracking technology and adolescent readers (PI: Sarah Levine)

Create, clean, and analyze corpus of newspaper articles (PI: Susanna Loeb)

Interviewed incoming Stanford freshmen from various racial/cultural backgrounds about their transition from high school to college (PI: anthony antonio)

Organized and analyzed ~12,000 letters written by students to future president during 2016 election for the Letters 2 The President Project (PI: Antero Garcia)

Miami-Dade County Public Schools:

High School Language Arts Teacher (2013-2016):

Claes Nobel Educator of Distinction (National Society of High School Scholars)

National Merit and Florida Bright Futures Scholarships after-school tutor

Connected students with internships, career explorer, and college preparation programs

Rated “highly effective” teacher by the Florida Department of Education

University of Miami:

Cuban Heritage Collection at the University of Miami (2011-2012)

Archival Maintenance, Materials Recovery, Incoming Collections Cataloguing
 Retrieved materials from the archives for patrons
 Documented incoming donations/collections for archival and future exhibits

Publications

Alvero, A., Arthurs, N., antonio, a., Domingue, B., Gebre-Medhin, B., Giebel, S., Stevens, M. (2019) "AI and Holistic Review: Informing Human Reading in College Admissions." *Proceedings of AI, Ethics, and Society 2020*, New York.

Posters and Presentations

American Educational Research Association 2020 Satellite Conference on Data Science, Stanford, CA
 Poster, "A Call for Critical and Constructive Data Science in Teacher Education"

Comparative & International Education Society 2020, Miami, FL
 Panelist, "The sociology of diversity in higher education: Definitions, structures, and pathways"

Sociology of Education Association 2020, Pacific Grove, CA
 Co-presentation, "The Co-Creation of Narratives of Academic Worth in Undergraduate Admissions: Evidence from a Corpus of 826,624 College Essays"

TextXD Symposium 2019, Berkeley, California
 Co-presentation, "Searching for (Dis)Continuities in Ed Tech's Discourse of Invention: A Semantic Network of Ed Tech Patents (1968 - 2016)"

2019 International Conference on Machine Learning (ICML) (*Latinx in AI Workshop*)
 Poster, "Unsupervised Text Analysis in Applied Settings: A Case Study in Selective College Admissions"

TextXD Symposium 2018, Berkeley, California
 Presentation, "Sociocultural Factors of the College Admissions Essay"

2018 Stanford Center for Population Health Sciences
 Presentation, "Text Analysis of Latinx College Admissions Essays"

2018 Students for Education Reform (SFER)
 Panelist for "Power TranSFER: Healing, Hope, and Education"

Computational Text Analysis in the Social Sciences (CTASS) 2018 Group
 Presentation with Sheridan Stewart, "Computational Text Analysis in the Social Sciences"

Stanford Higher Education Exchange of Research (SHEER) 2018 Group
 Presentation, "Exploratory Discussion of Race and Writing in College Admissions"

Race, Religion, and Ethnicity Group (RREG) 2018 Group
 Presentation, "Probabilistic Text Analysis of Latinx Students"

Race, Inequality, and Language in Education (RILE) 2017 Conference
Poster, “Machine Learning Gets a Tutor: Literacy, Language, and Computational Methods”

Caribbean Studies Association 2016 International Conference
Panelist, “The quest for Kreyòl epistemologies through language immersion”

Projects and Summer Work

Summer Institute in Computational Social Science (BAY-SICSS) Teaching Assistant
Teach and mentor PhD student participants learning computational social science, facilitate research projects between students and community organizations

Student Narrative Lab Founding Member
Analyze text written by adolescents, present research, develop theories around AI, society, and college admissions.

Computational Text Analysis in the Social Sciences Financial Officer
Organize speakers and discussions about computational text analysis under the Institute for Research in the Social Sciences (IRiSS)

Center for Spatial and Textual Analysis (CESTA) at Stanford University
Visiting Scholar (Summer 2017)

ICPSR Summer Program in Quantitative Methods of Social Research 2017
Machine Learning for the Analysis of Text as Data; University of North Carolina at Chapel Hill

FLAS Fellowship: Haitian Summer Institute at FIU (Summer 2015)
Took four weeks of intensive Haitian Creole classes and spent two weeks touring Haiti

Service

Advising

As Graduate Student Advisor:
Thea Rossman, Undergraduate Thesis in Critical Studies in Race and Ethnicity (2020)
Noah Arthurs, Undergraduate Thesis in Computer Science (2017)

Stanford University:

2019-2020; 2018-2019 El Centro Chicano y Latino Graduate Scholar in Residence
Received desk and stipend to do work in El Centro and mentor undergraduates

2018-2019 EDGE Mentor
Mentor two first year PhD students that also received EDGE fellowships

2018-2019 Frosh Scholars Mentor
Mentor freshman undergraduate student

2017-2018 Graduate School of Education Mentorship Program: Mentor and Program Organizer
As mentor: mentored masters student throughout the year
As organizer: Paired mentors to mentees, coordinated stipends to mentors, recruited for program

Reviewer:

AERA Open Special Issue: *Educational Data Science*
ACM Fairness and Transparency (FAT*) Conference 2020 Education Program Committee; Proposal Reviewer
Literacy Research Association Conference 2017 Proposal Reviewer
South Florida Education Research Conference 2016 Proposal Reviewer
TESOL International Conference 2016, 2017 Proposal Reviewer
Reviewed and rated proposals for presentations to be conducted at the conferences

Awards

2019 El Centro Chicano y Latino Outstanding Graduate Mentor Award
El Centro Chicano y Latino Charlene J. Porras Graduate Scholar in Residence Award
2019 ICML Travel Award
2018 Stanford Interdisciplinary Graduate Fellowship (SIGF): *Naidu Family Interdisciplinary Graduate Fellowship*
2018 Student Projects for Intellectual Community Enhancement (SPICE) Grant with CTASS
Stanford Enhancing Diversity in Graduate Education (EDGE) Fellowship
The Dean's Fellowship (Stanford Graduate School of Education)
Eugene V. Cota-Robles Fellowship (*declined*)
FLAS Summer Fellowship at the Haitian Summer Institute
Madeline Kitts Scholarship
FIU Graduate Grant
Hispanic Scholarship Fund Scholarship
TEACH Grant
Bellsouth Education Scholarship
FIU Latin American and Caribbean Center Scholarship

Languages and Skills

Fluent Spanish; Proficient Haitian Creole; Basic Japanese (written and spoken)
Frequent: R, Python, LaTeX, Unix, SLURM, Microsoft Office, Google Drive
Not as frequent: Javascript, Stata, Tableau, C++

Memberships

American Educational Research Association
Latinx in AI