

Aaron Hawn

hawnaaron@gmail.com

(917) 756-4892

EDUCATION

Columbia University New York, NY
Ph.D. in Cognitive Science in Education May 2019
Dissertation title: “Data-Wary, Value-Driven: Teacher Attitudes, Efficacy, and Online Access for Data-Based Decision Making”
Sponsor: Prof. Ryan Baker

Columbia University New York, NY
M.F.A. in Writing May 2004
Thesis title: The Okupation: Testimonies from the Cine Princesa, *a Novel*

Southern Methodist University Dallas, TX
B.S. in Anthropology, *cum laude* / B.A. in Spanish, *cum laude* May 1997

PROFESSIONAL EXPERIENCE

Self-Employed New York, NY
Education Consultant March 2018 - Present

- Facilitate schools in learning analytics, evidence-based decision making, assessment, evaluation, and accountability for school improvement

Opportunity Charter School New York, NY
Director of Evaluation and Analytics September 2015 - March 2018

- Instituted and developed student, teacher, and administrative data systems serving 80 staff and 420 students for improved efficiency and access to student assessment data.
- Managed multiple research studies with Teachers College, Univ. of Pennsylvania, and Univ. of Florida to develop innovative instructional technology and teaching methods.
- Developed and coordinated schoolwide surveys, quizzes, and interim assessments for monitoring student academic progress and social-emotional factors.
- Facilitated strategic planning for adoption of new curricula and educational technology, resulting in increased student achievement in middle school math.
- Contributed to city, state, and federal reporting for compliance and evaluation, including reporting and calculations for the Authorizer Annual Comprehensive Review (ACR), NYCDoE Quality Guide, NYSED Annual Report, NYSED VADIR/DASA, NYSED Teacher-student data linkage, BOCES Level 0 and Level 1 Reporting, and the Federal Civil Rights Data Collection.
- Contributed to performance and evaluation metrics and evaluation strategy for Charter School Renewal Process and new Charter School Application.

Director of Assessment and Accountability

August 2007 - 2015

- Managed institutional accountability and reporting for middle and high school with the charter school authorizer, the NYCDoE, and NYSED to maintain accurate and compliant reporting and school evaluation.
- Coordinated multiple charter school renewal processes to ensure the school's continuation.
- Directed assessment program across both middle and high school for 420 students and over 80 staff. Provided training, coordination, administration, and scoring administration for state standardized testing in middle school math, ELA, and science, tri-annual Regents Testing, NYSESLAT Testing, NYSAA, and NAEP.
- Instituted and coordinated biannual computer adaptive testing for 420 students to assess student growth across grade levels and target intervention.
- Coordinated and implemented diverse testing accommodations for more than 200 middle and high school students with Individual Education Plans (IEPs).
- Instituted and managed middle and high school formative testing, including test development, planning, administration, scoring, and reporting/analysis of results.
- Facilitated technology, assessment, and data-literacy trainings for teachers, administrators, and instructional specialists to build internal capacity.
- Created and coordinated schoolwide Professional Learning Communities for diverse topics in school improvement.
- Implemented and managed the student information system, instructional technology, chromebooks, and Google Apps for Education for increased collaboration and improved school processes.
- Created schoolwide schedules and managed student report cards and transcripts.
- Supervised Testing Coordinator, Attendance Secretary, and Instructional Technology Specialist.

New York State Gear Up

New York, NY

Curriculum Developer

January 2005 - June 2006

- Co-developed thirteen-week college preparatory "Developing a Master Student" curriculum for at-risk twelfth graders, which included argumentation, grammar, writing, rhetoric, critical thinking, and a meta-cognitive approach to study skills.

Harlem RBI

New York, NY

Curriculum Developer

September 2005 - November 2005

- Developed six-week afterschool curriculum for Harlem middle-school students in autobiography, oral history, writing skills, and family history.

Bank Street College of Education, Liberty Partnerships Program

New York, NY

Education Coordinator

August 2004 - October 2005

- Developed and directed afterschool programming for 220 underserved 5th-12th graders in the New York City area.
- Designed Literacy Across Liberty program to incorporate literacy skills into afterschool classes.
- Directed tutoring program, including mentor training for high school age tutors.
- Advocated in student suspension, transfers, and school placement hearings.

College Prep Counselor

August 2003 - October 2004

- Counseled 20 students in the college application, financial aid, and decision process.

Richardson Independent School District, Title VII/Even Start

Richardson, TX

Grant Coordinator, EFL Instructor, Grant Writer

August 1997 - August 1999

- Directed adult EFL and citizenship classes and childhood enrichment programs for 500 adult students and their children.
- Provided site-based family education and support for Pre-K and Kindergarten students in Bilingual education programs
- Contributed to federal grant applications and reports and managed program database and assessment.

RESEARCH EXPERIENCE

Penn Medicine Center for Health Care Innovation

Philadelphia, PA

Research Consultant

November 2018 - Present

- Provide literature review, planning support, and online usage analytics for a point-of-care intervention in pediatric radiology.

Education Leadership Data Analytics Lab, Prof. Alex Bowers

New York, NY

Graduate Student Researcher

September 2017 - Present

- Provide extensive analyses and support for the NSF Grant, “Building Community and Capacity for Data-Intensive Evidence-Based Decision Making in Schools and Districts”.

Educational Data Mining Lab, Prof. Ryan Baker

New York, NY

Graduate Student Researcher

November 2013 - Present

- Contributed to grant writing and research projects on the creation of enhanced reports for school guidance counselors and the prediction of student violence and drop out with data mining approaches.
- Assisted with MOOC forums and researcher certification in the BROMP observation protocol.

Invention Tutor Project, Prof. Cathy Chase

New York, NY

Graduate Student Researcher

September 2015 - December 2015

- Contributed calculations and analyses related to capturing the online behavior of students working in the invention tutor environment.

Argument and Inquiry Projects, Prof. Deanna Kuhn

New York, NY

Graduate Student Researcher

September 2010 - October 2013

- Supported development and administration of long-term classroom interventions in argumentation and inquiry skills for NYC middle school students.
- Conducted cognitive interviews investigating the capacity of state science testing to assess state standards in scientific inquiry.

TEACHING EXPERIENCE

John Jay College (CUNY), English Department

New York, NY

Adjunct Instructor

September 2006 - June 2007

- Taught two classes of 20 students in remedial Composition Program to ensure competency for college-level coursework.

Opportunity Charter School

New York, NY

Classroom Teacher, Curriculum Developer

August 2005 - March 2007

- Taught 6th and 8th grade English Language Arts in Harlem for classes with high percentages of students with disabilities.
- Developed 6th-12th grade ELA curriculum materials for improving reading comprehension strategies.

New York City College of Technology, Freshman Year Program New York, NY
Adjunct Instructor September 2003 - May 2004

- Taught writing to students identified for ESL support to prepare them for college-level composition.

Columbia University, Upward Bound Program New York, NY
Instructor June 2002 - December 2003

- Taught composition skills to economically-disadvantaged twelfth graders to ensure college readiness.

Columbia University, Department of English and Comparative Literature New York, NY
Logic & Rhetoric, College Composition Instructor September 2000 - June 2003

- Taught expository writing, rhetoric, informal logic, grammar, and research to first-year students and non-traditional, adult students to prepare them for college writing at Columbia.

Columbia University, Higher Education Opportunity Program (HEOP) New York, NY
Instructor Summer 2004

- Taught college composition and informal logic for students in HEOP summer program to prepare them for fall, first-year college classes.

PUBLICATIONS

International Conference Peer-Reviewed Publication

Ocuppaugh, J., Baker, R. S., San Pedro, M. O., Hawn, M. A., Heffernan, C., Heffernan, N., & Slater, S. A. (2017, March). Guidance counselor reports of the ASSISTments college prediction model (ACPM). In *Proceedings of the Seventh International Learning Analytics & Knowledge Conference* (pp. 479-488). ACM.

Hawn, A. (2015, March). The bridge report: bringing learning analytics to low-income, urban schools. In *Proceedings of the fifth international conference on learning analytics and knowledge* (pp. 410-411). ACM.

Presentations

Hawn, A. (2018). Hierarchical Cluster Analysis Exploration of Teacher Data Use Attitudes. Poster session presented at the Education Leadership Data Analytics Summit, New York, NY.

Hawn, A. (2018). Predicting K-12 Violence and Drop out with Educational Data Mining. Poster session presented at the Education Leadership Data Analytics Summit, New York, NY.

Hawn, A. (2018) Exploratory Analysis of Teacher Data Use and Attitudes. Lab Summit Presentation at Carnegie Mellon University, Pittsburgh, PA.

Curricula

Hawn, A. (2005). *Team Project: Interactive Afterschool Literacy Activities*, internal publication. Harlem RBI, New York, NY.

Hawn, A. and Sussman, K. (2006). *Nuts and Bolts: The Tools to Succeed in College*, Bank Street College of Education, New York, NY.

FELLOWSHIPS

Columbia University School of the Arts Fellowship, 1999-2000
Columbia University Teaching Fellowships 2000-2003
Columbia University General Scholarship 2010-2011
Columbia University Policy Scholarship 2011-2012

PROFESSIONAL ACTIVITIES

International Journal of Artificial Intelligence in Education (IJAIED), Reviewer
Journal of Educational Data Mining (JEDM), Reviewer
Educational Technology Research and Development (ETRD), Co-Reviewer
Learning Analytics Summer Institute (LASI) 2018, Participant
Educational Data Mining Lab Summit (Univ. of Pennsylvania and CMU), Participant
Northeast Big Data Hub, Participant

PROFESSIONAL ASSOCIATIONS

American Education Research Association (AERA) (Member since 2018)
Society for Learning Analytics Research (SoLAR) (Member since 2015)

CERTIFICATIONS

Cambridge Certificate for English Language Teaching to Adults (CELTA), Awarded by the British Language Center, Royal Society of the Arts, May 1997

LANGUAGES

Fluent in Spanish

SOFTWARE SKILLS

Analysis and Reporting: MS Excel, SPSS, Tableau, Qualtrics, Rapidminer, Orange, R
Educational Technology: NYCDoe ATS System, NYCDoe Galaxy System, NYSED Business Portal, G Suite for Education Administrator, Teacherease Student Information System Administrator, Illuminate DnA Administrator, Acuity McGraw-Hill Administrator, NWEA MAP Administrator, Scantron Performance Series Administrator, Assisments, Aleks, Read 180