



Research Aligned Mentorship Program

The RAM Program has worked with students to help them aim higher and discover opportunities, recognitions, and rewards that will assist them in reaching their academic and career goals. The positive results of these efforts continued in its 3rd year!

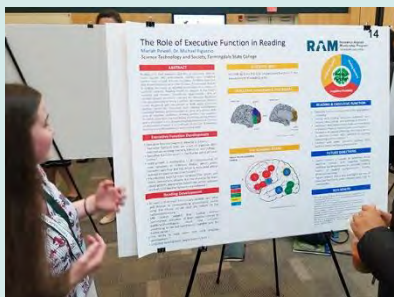
33 RAM Scholars Presented at SUNY Undergraduate Research Conference (SURC) – April 26, 2019



From business management and criminal justice to bioscience and engineering, 33 scholars in the RAM program represented a large portion of the presenters at this year's SURC event held on the Farmingdale State College campus. RAM scholars across 3 cohorts, including first year students, sophomores, juniors and seniors, have been conducting research and working hard on projects on-campus and off-campus for over 2 years now. Proposals and finished research projects with results and analyses were presented as poster presentations and oral presentations. They were all amazing!

Tahj Amonds and Mariah Powell Earn Undergraduate Research Stipend

All the presentations at SURC were phenomenal, but Tahj's oral presentation on "Race, Ethnic, and Class Determinants of Educational Inequality in Long Island, New York Public High Schools" and Maria's poster presentation on "The Role of the Executive Function skills in Reading" were rated the best. They were granted \$100 for their above average hard work and effort. Both



Tonuza Ahmed (Bioscience), Seiji Clark (Mechanical Engineering Technology), and Heamilly Singh (Applied Psychology) traveled to Tarrytown, NY to speak on their experiences conducting research at the SUNY Applied Learning Conference with Dr. Erwin Cabrera and Dr. Erica Jayne Friedman on November 3, 2018.

Dr. Erica Jayne Friedman and RAM scholars win Phenomenal Womxn Award



RAM assistant director, Dr. Erica Jayne Friedman and RAM scholars, Nadine Hall (Science, Technology & Society), Angelique Roberson (Business Management), and Apiya Pompei (Architecture Engineering Technology) were recognized by members of the FSC campus community on March 12, 2019 as Phenomenal Womxn for their accomplishments, for making a difference in the lives of others, and for their contributions to the FSC community and beyond.

Featured Student Research

Over 120 RAM scholars have completed research or internship experiences and more are set for summer 2019. The following are just a few highlights. See our [Student Voices Booklet](#) for more!

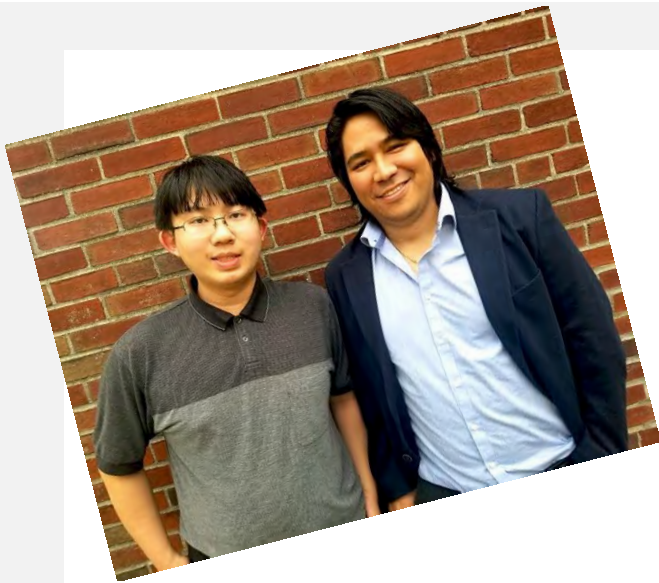
Angelique Roberson (Business Management)
Mentor: **Melixa Abad-Izquierdo** (History, Politics, & Geography)
Internship: **Girls Inc.**

Angelique and Dr. Abad-Izquierdo are conducting research on the effect of immigrant or ethnic-owned businesses in the market economy. Through this research, Angelique will conduct interviews with business owners to determine how immigrant or ethnic owned businesses achieve success in specific communities on Long Island. Angelique is also conducting research off-campus with Barbara Beatus-Vegh and Sunita T. Mahtani at Girls Inc., a non-profit organization aimed to inspire young women and girls to reach their fullest potential. She is implementing evaluative research to determine the effectiveness of their curriculum on factors such as girl's confidence and self-image. Angelique presented this research at the SUNY Undergraduate Research Conference in Spring 2019.



David Wan (Computer Engineering Technology)
Dr. Paulo Castillo (Electrical Engineering Technology)

David and Dr. Castillo are engaged in research focused on Numerical Modeling and Simulation of laser-plasma based interactions with emphasis on plasma particle acceleration and terahertz radiation sources. Particle accelerators are essential tools to study the origin of the universe, subatomic structure of the world and advance research in medicine, chemistry, biology, earth science, among others. This research includes the development of numerical algorithms based on the Particle-In-Cell method to model and simulate the motion of charged particles, or plasma, and their interaction via force fields. They will continue their investigation this summer at Brookhaven National Laboratory.



Research in Africa: Bioscience Major to Travel to Kenya for NSF REU Research on Food Security

If you see Keki Antoine Lisney on campus, make sure you congratulate him for his acceptance to Bowie State University's Global Research in Food Security. Funded by the National Science Foundation's Research Experiences for Undergraduates program and in collaboration with Egerton University and the University of Nairobi, Keki will conduct research on one of 4 major research projects in Kenya from May 29 to July 31. His costs will be covered, including round trip air fare, lodging, and a stipend of \$575 per week. Keki will also enjoy safari tours and have the opportunity to learn about the different cultures and peoples of Kenya.





RAM Alternative Spring Break

Led by Dylan Gafarian and Dr. Erica Jayne Friedman, 22 scholars traveled to York, PA over Spring Break to volunteer with Habitat for Humanity for 7 days.

RAM scholars help build a roof and put up walls on a two-family home in downtown York, PA. The home will go to a low-income family in need of housing.



RAM scholars also helped out in Lancaster, PA at Habitat for Humanity's ReStore—a warehouse of donated home furniture and other items at low-cost to the community.



All 24 RAM scholars and staff stayed overnight at Paradise Schools where they slept in the dorms, cooked meals together, and relaxed and bonded in the evenings after a hard day of work.



Fun activities and tours were worked into the trip, such as lots of recreation time in the school's gymnasium, a visit to Crystal Cave and a team-building "escape the room" experience.



Since the trip was so close to Amish country, RAM scholars also had the chance to experience an Amish market and an Amish-style meal at Good 'N Plentv Restaurant.



Congratulations to RAM scholars for their acceptance into 2019 off-campus summer programs & internships!

Cameron Ramnarine (BIO) – Leadership Alliance REU at Montana State University - "IDeA Network of Biomedical Research Excellence" Summer Undergraduate Research Program

Keky Antoine Lisney (BIO) – Global Experience NSF REU with Bowie State University, Egerton University, and University of Nairobi on food security in Kenya, Africa (National Science Foundation)

Kelly Enriquez (BIO) & Sydney Matias (BIO) - Research Intensive Summer Experience at Rutgers – Funded by a NSF grant through Dr. Kerry Lutz

Imran Jan (BIO), Marissa Shiwbalak (STS) & Ifrah Siddiqui (BIO) - Feinstein Institute for Medical Research (Summer Student Internship Program)

Dalya Omeshi (BIO) – NSF REU at Stony Brook University's on Nanotechnology for Health, Energy and the Environment (National Science Foundation)

Sofia Cuenca (CPIS) – NSF REU at University of Florida on Intelligent Multimodal Human-Computer Interaction (National Science Foundation)

David Wan (EET/CET) - Brookhaven National Laboratory – Working with EET Faculty Dr. Paulo Castillo (Visiting Professor Initiative; funded by the US Department of Energy)

Brandon Degni (IXD) – Research abroad at Edinburgh-Napier University in Blended Interactions with Dr. Brian O'Keefe (Scotland)

Jennifer Philbin (MTH) - Visiting Scholars Program at University of California, Berkeley – with Dr. Svetlana Tlupova (Visiting Professor Initiative)

Carolyn Gonzalez (CPIS) – Internship with 605 data analytics company (New York, NY)

Malasher Johnson (BIO) & Angelique Roberson (BUS) - Research internship with Girls Inc. (Deer Park, NY)

Eric Hoffman (SMT) - Internship with Cardboard Memories Memorabilia (Commack, NY)

Toni Maresco (PCM) - Internship with Cardworks (Woodbury, NY)

Ivy Greco (VIS) - Design internship with Rudy's Tee's (Northport, NY)

Lauren Cavalcante (STS) - Research and non-profit internship with The Retreat Inc. (Wainscott, NY)

Jamie Alexander Fenton (CRJ) - Summer internship in Flight Training with licensed CFI/CFII (Ft. Lauderdale, FL)

Steven Schopp (MET) - Engineering Internship at Syska Hennessy Group (New York, NY)

Diego Vanegas (EET) - Engineering Internship at Claddagh Electronics

Dr. Erwin Cabrera wins \$300K NSF grant to bring underrepresented STEM doctoral students to FSC

Dr. Erwin Cabrera won a \$300,000 NSF grant aimed to bring historically underrepresented minority doctoral degree students from Stony Brook University in STEM to integrate with our campus, work with our students, and potentially transition into early career STEM faculty positions here at FSC.

RAM Scholars Visit Hunter College's Undergraduate Research Conference



With a Students First Campus Grant, Dr. Erica Jayne Friedman took 10 RAM scholars on the LIRR into New York City on May 3, 2019 to visit Hunter College's seventh annual Undergraduate Research Conference. Students learned from Hunter students about their research through poster sessions throughout the day. They listened to Hunter students panels on how to get involved in research and how to prepare for graduate school.

RAM hosts *Dispatches from Cleveland* film screening with over 100 in attendance

The RAM Program purchased *Dispatches From Cleveland* and showed it to over 100 members of the campus community on February 26, 2019. Committed to bringing events to our campus community that cover topics our students care about, this documentary film examines the early 21st century, rust-belt city of Cleveland Ohio, one of the most racially-divided cities in America. The film weaves together issues of social justice, poverty, race, criminal justice, community policing, urban revitalization v. gentrification, violence against the LGBTQ community, voting rights, political organizing, and more.