

**Office of Research Development and Administration
Award Report, November and December 2017**

\$286,568

Munther Abualkibash, Information Security and Applied Computing
Microsoft (\$5,000)

Microsoft Azure Research Award: Object detection using supervised learning often requires extensive training, resulting in high execution times. If the system requires retraining to accommodate a missed detection then waiting several hours before the system is ready may not be acceptable in practical implementations. This research is to improve the result of previous research by running the object detection framework on the cloud where the system can efficiently adapt to misclassified data and be retrained within a few seconds instead of few minutes. Improvements can be made to the framework by accelerating the framework computation process where it can be adjusted to work directly in the cloud rather than using local workstations to handle applications.

Jessica Alexander, Office of Academic Service Learning
Ford Community Corps (\$8,798)

826Michigan: Educational Psychology (College of Education) & 826Michigan partnered to provide a meaningful field experience for students exploring teaching as a career. 826Michigan is a nonprofit serving students in Ann Arbor, Ypsilanti and Detroit that inspires school-age students to write confidently. Educational Psychology students are required to complete 20 hours of tutoring high-needs students in Ypsilanti or Detroit.

Jessica Alexander, Office of Academic Service Learning
Ford Community Corps (\$11,203)

Alternatives for Girls: Alternatives for Girls, and Applied Drama and Theater for the Young. Graduate students will collaborate to develop drama/theatre work as a means for self-empowerment and exploration.

Elise Buggs, Academic Partnerships
Michigan Department of Health & Human Services (\$66,895 of a total award of \$133,738)

Magic - Independent Skills for Living: The program provides independent living services to eligible youth. The services are coordinated with other relevant federal and state programs and include assistance with housing, employment, education, budgeting/financial management, identifying/maintaining appropriate relationships, career planning, parenting, medical/dental health, and finding community resources.

Elise Buggs, Academic Partnerships
College Day Appropriation (\$92,351)
College Day Appropriation The MI GEAR UP Program partners with Michigan's 15 public universities, and valuable external community partners to provide early intervention services and a scholarship component for low-income students. The MI GEAR UP program serves a cohort of students, beginning in the seventh grade and

follows them through the first year of college. The College Day Program mission is to provide an opportunity for underrepresented students to discover, first hand, the potential of a college education and to expose students to the information, knowledge and skills they need to prepare themselves adequately for college entry and success. EMU's College Day Appropriation is directed to support the MI GEAR UP program.

Jennifer Fong, Upward Bound
U S Department of Education (\$10,256)

Upward Bound, Supplemental funds for 2017-2018: The EMU UB program is designed to identify, select, enroll, and support 89 eligible participants and focuses on preparing students to successfully graduate college within six years of their high school graduation. EMU UB programming meets the specific needs of target students in the form of an integrated academic year, a pre-collegiate summer residential program including an algebra Jumpstart program for rising 9th graders, and a collegiate bridge and work-study/internship for seniors transitioning to college.

Faison Gibson, Marketing
SPARK Ann Arbor (\$5,000)

SPARK Contract: In collaboration with Ann Arbor SPARK, the EMU Center for Digital Engagement, provides area high-tech startups with digital marketing interns, as well as other programming related to the evolving nature of digital engagement.

Ellen Gold, Student Wellbeing
Alana's Foundation (\$1,500)

Flu Shot Vaccines for Un-Insured Students: Provides flu shots to students who lack preventative health care resources.

Mary Kubitskey, College of Education Office of Academic Services
American Institute of Bilingual Education (AIBE) (\$13,770)

EMU Student Teacher International Student Teacher Program -- West Bloomfield School District: EMU College of Education, in partnership with our colleagues in the College of Arts and Science and local school districts, works to support the development of students as teachers of Chinese. Our candidates complete practicums in the partner schools as they work towards their teaching certificate.

Mary Kubitskey, College of Education Office of Academic Services
BCC International Education Group, Inc. (\$41,312)

EMU Student Teacher International Student Teacher Program -- L'Anse Creuse School District: EMU College of Education, in partnership with our colleagues in the College of Arts and Science and local school districts, works to support the development of students as teachers of Chinese. Our candidates complete practicums in the partner schools as they work towards their teaching certificate.

Mary Kubitskey, College of Education Office of Academic Services
BCC International Education Group, Inc. (\$13,770)

EMU Student Teacher International Student Teacher Program -- Whitmore Lake School District: EMU College of Education, in partnership with our colleagues in the College of Arts and Science and local school districts, works to support the development of students as teachers of Chinese. Our candidates complete practicums in the partner schools as they work towards their teaching certificate.

Alexander Popko, World Languages

German Embassy (\$3,575)

German American Day: Funding supports the teaching and learning of German and of German politics and culture. The German Consul from the Chicago Consulate will deliver two lectures. There will be a cultural learning experience referred to as the "Walking Oktoberfest" that will engage local high schools students in learning about German culture.

Alexander Popko, World Languages

Japan Business Society of Detroit Foundation (\$1,318)

Japanese Quiz Bowl: The 24th Annual Michigan Japanese Quiz Bowl is the largest Japanese language competition for Grade K-12 Japanese Language Students in Michigan. Eastern Michigan University will examine the current curriculum at K-12 Japanese classroom in Michigan, provide direction for better classroom practice and prepare appropriate questions for the 24th Annual Michigan Japanese Quiz Bowl.

Hannah Seidel, Biology

Life Sciences Research Foundation (LSRF) (\$5,000)

Life Sciences Research Foundation Fellowship: Nutritional control of germline stem cell proliferation: A complete understanding of stem cell biology requires better knowledge of how stem cells respond to changes in diet and nutrition. *C. elegans* offers many advantages as a model system, and its germline stem cells are extremely responsive to nutritional change: under fed conditions, these cells divide continuously; upon starvation, they become quiescent. Candidate gene approach and unbiased screen will be used to identify key regulators of nutritional control of germline stem cells. These studies will provide insight into how multi-cellular organisms evaluate nutritional state and coordinate appropriate responses across tissues..

James Sheerin, Physics and Astronomy

National Aeronautics and Space Administration (\$1,500)

Michigan Space Grant Operating Support for 2017-2018: 2017-2018 annual operating funds for the EMU Space Grant.

Motoko Tabuse, World Languages

Japan Business Society of Detroit Foundation (\$3,000)

Japanese Culture Festival 2018: As a means to promote the cultural awareness of Japanese Culture, the Japanese Student Association (JSA) of Eastern Michigan University will once again host it's annual Japanese Culture Festival to showcase Japanese culture to foster knowledge and appreciaton of the Japanese culture.

Patricia Zimmer, Communication, Media and Theater Arts
Michigan Council for Arts & Cultural Affairs MCACA (\$2,320)

Bringing Theater for Very Young Audiences to Our Community: EMU Theatre will produce "Chicken Story Time," a delightful new play for very young audiences (ages 3-6) by Sandra Fenichel Asher. MCACA funds will support a tour of this production to underserved communities in our area and to bring the playwright to Michigan. The play supports early literacy in our community through an interactive theatre arts project focused on the importance of stories and reading. EMU students and area community members will have the opportunity to interact with an internationally recognized author and playwright. The play offers the opportunity for student performers, faculty and community members to participate in the development of a new work of art since the EMU production will be the mid-western premiere of the play. The production will extend EMU Theatre of the Young's usual outreach, which is typically limited to elementary schools.