

Kewalin Samart

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Education

2018–2022	Michigan State University, USA BSc in Computational Mathematics Minor in Computational Mathematics, Science, and Engineering (CMSE) Department GPA: 4.00 Cumulative GPA: 3.97
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Computer Skills

Programming languages	R, Python, C++, MATLAB, TeX
Software	LaTeX, Microsoft Office, iMovies

Research Experience

2019–present	Undergraduate Researcher in JRaviLab Pathobiology and Diagnostic Investigation, MSU Project title: A Computational Approach to Repurpose Drugs Against Infectious Diseases Research mentors: Dr. Janani Ravi and Dr. Arjun Krishnan
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Presentations

Aug 2020	Poster at Mid-Michigan Symposium for Undergraduate Research Experience Poster title: Determining the Optimal Disease-Drug Connectivity Score Summarization Metric for Drug Repurposing
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Publications/Preprints

Sep 2020	Samart K* , Tuyishime P*, Krishnan A**, Ravi J**. Reconciling multiple connectivity scores for drug repurposing. arXiv 2020 Live doc GitHub *co-primary authors; **co-corresponding authors.
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Honors/Awards/Scholarships

2018-2020	Dean's Honor List Fall 2018/Spring 2019/Fall 2019/Spring 2020/Fall 2020 Michigan State University
Oct 2020	Fall 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science
May 2020	Summer 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science
Apr 2020	L.C. Plant Mathematics Award Scholarship MSU Department of Mathematics
Jan 2020	Spring 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science
May 2018	Academic Excellence Award (High Honor) Lawrence Academy – Groton, MA
Dec 2017	Academic Excellence Award (Honor) Lawrence Academy – Groton, MA
2017-present	Full Scholarship for Undergraduate–Ph.D. Study National Center for Genetic Engineering and Biotechnology (BIOTEC) Royal Thai Government

Extracurriculars

2019–present	Member of R-ladies East Lansing
2018–present	Member of MSU Thai Student Association (ThaiSA) Michigan State University
2017–2018	Member of Math Club Lawrence Academy – Groton, MA - Created and organized math events and tutoring sessions during semesters
2017–2018	Member of Stage Crews Lawrence Academy – Groton, MA - 6 hours/week working with the crew team and learning Art and technician skills for stage plays
2017–2018	Member of LA Singers (High School Choir) Lawrence Academy – Groton, MA

Volunteer Experience

Jul 2018	Burirum Pitthayakhom School – Burirum, Thailand - Assisted in the educational guidance seminar for high school students
Mar 2018	The Arc of Opportunity in North Central Massachusetts – Fitchburg, MA - Cared for people with disabilities
Nov 2017	Rise Against Hunger - Groton, MA - Assisted in cooking foods/desserts and organized fundraising tables
