

Kewalin Samart

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Education

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

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 – East Lansing, MI
Oct 2020	Fall 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science – East Lansing, MI
May 2020	Summer 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science – East Lansing, MI
Apr 2020	L.C. Plant Mathematics Award Scholarship MSU Department of Mathematics – East Lansing, MI
Jan 2020	Spring 2020 CNS Undergraduate Research Scholarship MSU College of Natural Science – East Lansing, MI
May 2018	Academic Excellence Award (High Honor) Lawrence Academy – Groton, MA
Dec 2017	Academic Excellence Award (Honor) Lawrence Academy – Groton, MA
2017–present	Full-Ride Scholarship for Undergraduate, Master's, and Ph.D. Studies from National Center for Genetic Engineering and Biotechnology (BIOTEC) Royal Thai Government – Bangkok, Thailand

Extracurriculars

2019–present	Member of R-ladies East Lansing
2018–present	Member of MSU Thai Student Association (ThaiSA) Michigan State University – East Lansing, MI
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
