

Reed Geisler

Medical Student

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 Facebook (<https://www.facebook.com/reed.geisler>)

 Github (<https://github.com/GwynplaineLLC/PortfolioTestSite>)

ABOUT

Hello! I am a fourth year medical student at The Ohio State University College of Medicine.

WORK EXPERIENCE

Class President, Elected Student Representative, Student Council

May 2019 — Present  2 years

Elected Class President for third-year medical students, member of academic policy and facilities committees. Re-elected president for fourth year of medical school.

School Representative, AAMC Organization of Student Representatives

August 2019 — Present  2 years

Appointed representative to the American Association of Medical Colleges Organization of Student Representatives.

Co-President, Ultrasound Research Interest Group

May 2019 — May 2020  a year

Established workflow for project pipeline.

Treasurer and Vice President, STEM in Medicine

February 2019 — February 2020 ⏳ a year

Established program to collaborate with engineering school design projects.

President, Vice President, Events Coordinator, Anesthesiology Interest Group

May 2019 — Present ⏳ 2 years

Held procedural skills events to expose students to anesthesiology.

Treasurer, Surgery Interest Group

January 2019 — January 2020 ⏳ a year

Established mentorship program connecting medical students and residents.

Research Coordinator, Internal Medicine Ultrasound Community of Practice

January 2019 — January 2020 ⏳ a year

Focused on applications of ultrasound to critical care and internal medicine.

Treasurer, Medical Students For Choice

January 2019 — January 2020 ⏳ a year

Advocated for access to abortion in Ohio.

Co-Founder, Movies in Meiling

September 2018 — September 2019 ⏳ a year

Organized movie events for medical student wellness.

Member, UCARE (Ultrasound: Clinical, Administrative, Research, Education) Program

October 2018 — April 2019 ⏳ 7 months

Joined program for more in-depth ultrasound experience as a medical student.

Student Collaborator, The Ohio State University College of Medicine Department of Educational Technology

September 2018 — January 2019 ⏳ 4 months

Initiated and completed a migration of lecture media resources onto a platform to consolidate lecture materials and allow additional functionality for students.

GRASP Founder, University of Cambridge, Graduate School of Life Sciences

December 2017 — July 2018 ☰ 7 months

Founded the GRAduate Student and Postdoctoral Forum (GRASP), a community for personal and professional development of graduate and postgraduate members of the life sciences disciplines at the University of Cambridge.

Faculty Board Member, Graduate Operations Committee Member, School Council, University of Cambridge, Clinical School

September 2017 — July 2018 ☰ 10 months

Elected by the graduate student body of the Clinical School at the University of Cambridge to represent student interests at meetings of the School Council, Graduate Operations Committee, and Faculty Board. In concert, these committees direct future direction of the clinical school.

Bartender, University of Cambridge, Churchill College Middle Common Room, 'The Vicious Penguin'

August 2017 — May 2018 ☰ 9 months

Worked weekly as a bartender for the graduate student community of Churchill College at the University of Cambridge.

Unit Leader, Camp Kesem at Cornell

August 2017 — August 2017 ☰ a month

Supervised and led the oldest group of Camp Kesem participants (14-16 years of age) during camp. Camp Kesem is a community organization that supports children through cancer in their family.

Health Director, Cornell Adult University

May 2017 — July 2017 ☰ 3 months

Supervised summer session teenage participants in the Cornell Adult University program. Provided medical care and ensured students were taking prescribed medications during the program, an average of sixty students each week.

Treasurer, Cornell University Class of 2017 Council

January 2016 — June 2017 ☰ a year

Managed a budget of \$60,000 for Cornell's Class of 2017 Council. Initiated a tiered mentorship program with treasurers of younger class councils to facilitate education about the role and communication of resources between councils.

Steering Committee, Outreach Chair, Cornell Orientation

October 2015 — October 2016 ☰ a year

Worked collaboratively with an administrator and fourteen student members of the Orientation Steering Committee to plan all logistics of Cornell Orientation, from recruitment and training of volunteers to all aspects of event registration and advertisement.

Undergraduate Teaching Assistant, Introductory Psychology, Department of Psychology

August 2016 — December 2016 ☰ 5 months

Worked as an undergraduate teaching assistant in PSYCH 1101, Introductory Psychology. Proctored all exams, led review sessions, and held weekly office hours for students in the course.

Undergraduate and Graduate Teaching Assistant, Autotutorial Physics, Cornell Physics Department

August 2015 — May 2017 ☰ 2 years

Worked for four semesters as an undergraduate and graduate teaching assistant in PHYS 1101-1102, the course sequence for students self-teaching ('Auto-tutorial') Introductory Physics. Due to the necessarily open curriculum of the course and lack of lectures, I worked with several other teaching assistants to establish weekly review sessions, staff the course study/lab space, and address student concerns re:lab equipment and demos. One of the highest-rated teaching assistants for all four semesters.

Summer Undergraduate Research Assistant, SURP, University of Pittsburgh

May 2016 — August 2016 ☰ 4 months

Worked as a summer student in the Freeman lab. Performed initial synthesis and in vitro testing on a novel drug candidate.

Business Team Lead, Cornell Genetically Engineered Machines (iGEM) Project Team

April 2015 — May 2016 ☰ a year

Business team lead and wetlab team member for Cornell iGEM Synthetic Biology Project Team. While working as the business team lead, our team's project earned a gold medal, best entrepreneurship, best environmental project, and best applied design awards in the annual

international synthetic biology competition (iGEM Jamboree).

Co-founder, Academic Policy Committee

May 2015 — May 2016 ⏳ a year

Founded the Academic Policy Committee with collaboration from undergraduate representatives of Cornell's College of Arts & Sciences to the Student Assembly. Initiated the committee with a resolution that altered the structure of introductory biology and chemistry coursework at the university.

Treasurer, Cornell Bridges to Community

August 2015 — May 2016 ⏳ 10 months

Organized fundraising for students to attend service-learning trips for rural communities in Nicaragua.

Employee and Training Committee Member, Cayuga's Watchers

May 2014 — May 2016 ⏳ 2 years

Worked as sober monitor and trained employees to ensure a safe environment at college events.

Study Group Leader, Cornell University, Department of Biological Sciences

January 2014 — May 2014 ⏳ 5 months

Paid tutor for study groups of introductory biology coursework.

Freshman Representative, Cornell Residential Student Congress

August 2013 — May 2014 ⏳ 9 months

Organized events and maintenance at undergraduate housing communities.

Undergraduate Lab Assistant, Boyce Thompson Institute for Plant Research

August 2013 — April 2014 ⏳ 7 months

Performed low-level duties for lab maintenance.

**VOLUNTEER WORK #**

Physicians CareConnection , Community Health Education Project Lead

January 2019 — January 2020 ☰ a year

Led a project to facilitate dental care screening and access to patients at a free clinic.

Columbus Free Clinic , Medical Student Volunteer

January 2019 — January 2020 ☰ a year

Biweekly medical student volunteer at Columbus Free Clinic.

Cornell University Emergency Medical Services , Emergency Medical Technician

February 2014 — December 2015 ☰ 2 years

Worked shifts on university ambulance (a student-run, Basic Life Support, non-transporting first response agency) as an EMT-Basic. Responsible for performing effective and prompt frontline care in both transport and non-transport scenarios.

Dryden Ambulance, Bangs Ambulance , Emergency Medical Technician

August 2014 — May 2015 ☰ 10 months

Worked on Dryden and Bangs ambulance services as Advanced EMT student, leading response to Advanced Life Support (ALS) and Basic Life Support (BLS) emergencies.

Cornell Prison Education Program , Teaching Assistant

August 2014 — May 2015 ☰ 10 months

Taught students through Algebra, Mindfulness & Meditation, and a study hall course at Auburn Correctional Facility.

Alpha Phi Omega Service Fraternity , Member

August 2014 — May 2015 ☰ 10 months

Volunteered weekly for various activities (e.g. Second Wind cottages, street clean-up).

Empathy, Assistance, and Referral Service (EARS) , Trainee

August 2014 — May 2015 ☺ 10 months

Trained to work on undergraduate college crisis line.

New York Presbyterian-Cornell Hospital , Emergency Department Volunteer

May 2014 — August 2014 ☺ 4 months

Worked as Emergency Department greeter and volunteer.

Motivating Action Through Community Health Outreach (MACHO) , Summer Teacher

June 2014 — August 2014 ☺ 3 months

Taught students ranging in age from six to twelve years old in Harlem, New York City, about basic nutrition, health, and skills for healthy living through basic demonstrations of body systems and teaching them how to prepare healthy meals on a low budget (given \$2/student/day).

Churches United For Fair Housing , Outreach Volunteer

May 2014 — August 2014 ☺ 4 months

Performed outreach activities to raise awareness for affordable housing lotteries and developments in Greenpoint, Bedford-Stuyvesant, and Manhattan neighborhoods in New York City.

Westport Emergency Medical Services , Emergency Medical Technician

January 2013 — August 2013 ☺ 8 months

Worked shifts on hometown ambulance (an Advanced Life Support, transporting and first response agency) as an EMT-Basic. Left service to attend university.

Yale-New Haven Hospital , Student Volunteer

May 2013 — August 2013 ☺ 4 months

Worked in several nursing wards and patient transport, learned about hospital care in a non-emergency setting.

Norwalk Hospital , Student Volunteer

May 2010 — August 2011 ☺ a year

Volunteering in patient transport and ambulatory surgery.

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 **EDUCATION****Medicine, M.D.**

2018 — 2022 ☺ 4 years

The Ohio State University, College of Medicine

Translational Biomedical Research, Research Assistant in Cancer Research UK Cambridge Institute

2017 — 2018 ☺ a year

University of Cambridge, Churchill College

Biomedical Engineering, M.Eng.

2016 — 2017 ☺ 10 months

Cornell University, College of Engineering, GPA: 3.97

Chemistry & Chemical Biology / Biological Sciences with Concentration in Biochemistry, B.A. / B.A.

2013 — 2017 ☺ 3 years

Cornell University, College of Arts & Sciences, GPA: 3.90

Early College Program

2012 — 2013 ☺ 8 months

University of Connecticut, GPA: 4.0

CHEM 2443 - Organic Chemistry I

CHEM 2444 - Organic Chemistry II

High School Degree

2009 — 2013 ☺ 4 years

Staples High School, GPA: 4.2

EMT-Basic Certification Course

2012 — 2012 ⏳ 3 months

Bridgeport Hospital

</> SKILLS

Web Development — *Beginner-Intermediate*

HTML5 **CSS3/Bootstrap** **Javascript (jQuery, Node.js, Canvas.js)** **PHP** **MySQL**
Python3/Django **Wordpress** **Git integration**

3D Modeling and Printing — *Beginner*

OctoPi integration **Creality Ender 3** **Autodesk Fusion 360** **Functional printing**

Photography and film — *Intermediate*

Photogrammetry **Portrait photography** **Macro photography**

🏆 AWARDS

Roessler Medical Student Research Scholarship, The Ohio State University College of Medicine

Awarded on: May 01, 2019

Awarded a competitive summer research scholarship for the study of white matter recovery following ischemic stroke.

Cornell University Class of 2017 Banner Bearer, Cornell University

Awarded on: May 01, 2017

Awarded as one of two banner bearers for the Class of 2017 graduation procession.

Best Entrepreneurship, Best Applied Design, Best Environmental Project, Gold Medal, Genetically Engineered Machines (iGEM), International Competition

Awarded on: Sep 01, 2015

Awarded in at the annual international undergraduate and graduate synthetic biology competition of iGEM while the Business Team Lead of Cornell iGEM, for a multi-targeted approach to the reduction of bacterial cold water disease in salmonid fish.

Meinig Family Cornell National Scholar, Cornell Commitment Fellowships

Awarded on: Aug 01, 2015

One of four rising junior undergraduates selected for admission into the Meinig Family Cornell National Scholars program, a merit-based scholarship to foster community leadership.

Zeta Psi Scholars in New York City Fellow, Zeta Psi Educational Foundation

Awarded on: Jun 01, 2014

Summer scholarship funding to offset living expenses of an unpaid internship in New York City during Summer 2014.

Zeta Psi Educational Foundation Scholarship, Zeta Psi Educational Foundation

Awarded on: Apr 01, 2014

Merit- and need-based tuition scholarship for undergraduate study.

Finalist, Cornell Venture Challenge, BR Venture Fund

Awarded on: Apr 01, 2014

Finalist in venture competition, for a project involving a redesign of the spinal pedicle probe in spinal fixation surgeries.

Pauline & Irving Tanner Dean's Scholar, Cornell University College of Arts & Sciences

Awarded on: Aug 01, 2013

Merit award presented to 2% of admitted students to Cornell University's College of Arts & Sciences on admission to the Class of 2017.

National AP Scholar, AP Scholar with Distinction, CollegeBoard

Awarded on: Jun 01, 2013

Awarded for completing at least 8 AP exams with a high average score (all scores earned were 5/5).

Latin Honor Society, Staples High School

Awarded on: Aug 01, 2012

Awarded for academic achievement in Latin coursework throughout high school.

PRESENTATIONS AND PUBLICATIONS

Citrate Toxicity In Massive Transfusion With Hemorrhage Secondary To Metastatic Neuroendocrine Cancer , American Society of Anesthesiologists

Published on: Oct 19, 2021

Geisler, R., Anjum, P., El-Hassan, I. 'Citrate Toxicity In Massive Transfusion With Hemorrhage Secondary To Metastatic Neuroendocrine Cancer.' Presented at: American Society of Anesthesiologists, the Anesthesiology Annual Meeting; October 2021; San Diego, CA.

Management Of Iatrogenic Propofol-related Injury Due To Misplaced Central Venous Catheter , American Society of Anesthesiologists

Published on: Oct 11, 2021

Geisler, R., Anjum, P., El-Hassan, I. 'Management Of Iatrogenic Propofol-related Injury Due To Misplaced Central Venous Catheter.' Presented at: American Society of Anesthesiologists, the Anesthesiology Annual Meeting; October 2021; San Diego, CA.

Emergent Management Of A Difficult Airway Due To Ball-in-valve Laryngeal Mass , American Society of Anesthesiologists

Published on: Oct 11, 2021

Geisler, R., Bishop, R., Garrett, A., Adib, K. 'Emergent Management of a Difficult Airway due to Ball-In-Valve Laryngeal Mass.' Presented at: American Society of Anesthesiologists, the Anesthesiology Annual Meeting; October 2021; San Diego, CA.

A case of Erdheim-Chester Disease (ECD) with gastrointestinal involvement , American College of Physicians

Published on: May 14, 2021

Anjum, P., Geisler, R., Kavanaugh, K. 'A case of Erdheim-Chester Disease (ECD) with gastrointestinal involvement.' Presented at: American College of Physicians 2021 National Abstract Competition; May 2021; Online.

A Two-Step Approach To Contextualizing Medical School Curricular Feedback , American College of Physicians

Published on: Apr 14, 2021

Geisler, R. 'A Two-Step Approach To Contextualizing Medical School Curricular Feedback.' Presented at: AAMC Group on Student Affairs & Organization of Student Representatives Spring Meeting; April 2021; Online.

Establishing a Longitudinal Mentorship Program in General Surgery, American Association of Medical Colleges Group on Student Affairs & Organization of Student Representatives

Published on: Apr 14, 2021

Geisler, R., Woods, E., Hoover, E., Sridharan, M., Lynch, D., Clark, K., Smith, L., Dick, S., Oosten, J., Quinn, J. 'Establishing a Longitudinal Mentorship Program in General Surgery.' Presented at: AAMC Group on Student Affairs & Organization of Student Representatives Spring Meeting; April 2021; Online.

Thoracoabdominal Pneumatosis Complicating a Colonoscopy

([https://journal.chestnet.org/article/S0012-3692\(20\)33950-7/fulltext](https://journal.chestnet.org/article/S0012-3692(20)33950-7/fulltext)) , Chest Journal

Published on: Oct 01, 2020

Gilkey, T., Geisler, R., Leipold, C., Corbett, J., Turner, J., Timbadia, P. 'Thoracoabdominal Pneumatosis Complicating a Colonoscopy.' Chest, 158(4). A2037.

Extensive DVT in a Young Male with Persistent Scrotal Infections

([https://journal.chestnet.org/article/S0012-3692\(20\)33855-1/fulltext](https://journal.chestnet.org/article/S0012-3692(20)33855-1/fulltext)) , Chest Journal

Published on: Oct 01, 2020

Geisler, R., Gilkey, T., Leipold, C., Romano, N., Dasgupta, A., Timbadia, P. 'Extensive DVT in a Young Male with Persistent Scrotal Infections.' Chest, 158(4). A1929.

Recurrent Spontaneous Pneumothorax in a Young Female Patient

([https://journal.chestnet.org/article/S0012-3692\(20\)33354-7/fulltext](https://journal.chestnet.org/article/S0012-3692(20)33354-7/fulltext)) , Chest Journal

Published on: Oct 01, 2020

Geisler, R., Gilkey, T., Leipold, C., Dasgupta, A., Timbadia, P. 'Recurrent Spontaneous Pneumothorax in a Young Female Patient.' Chest, 158(4). A1281.

Returning to Basecamp: Systemizing Student-Driven Ultrasound Research

(<https://onlinelibrary.wiley.com/doi/10.1002/jum.15373>) , American Institute of Ultrasound in Medicine

Published on: May 26, 2020

Banks, M., Leupold, M., Geisler, R., Shen, S., Su, J., Menon, R., Bahner, D., Prats, M. 'Returning to Basecamp: Systemizing Student-Driven Ultrasound Research.' Journal of Ultrasound in Medicine. 2020. 39(S1):S1–S223

Oral Health Screenings for Preventative Health in a Free Clinic Population , University of Miami Department of Community Service, Community Health Leadership Conference

Published on: Dec 13, 2019

Geisler, R.S., Yanamadala, V., Mannix, N., Kumar, N., Vardanyan, J., Georgy, M., Patel, I., Konstan, R., Patel, P., Rotenberg, S. 'Oral Health Screenings for Preventative Health in a Free Clinic Population.' Presented at: University of Miami Department of Community Service Community Health Leadership Conference; December 2019; Miami, FL.

Medical Student Sentiment on Increased Clinical Weight in Composite Curricular MSPE Grading Schema , AAMC Annual Meeting, Learn Serve Lead 2019: Group on Student Affairs/Organization of Student Representatives

Published on: Nov 08, 2019

Geisler, R.S. 'Medical Student Sentiment on Increased Clinical Weight in Composite Curricular MSPE Grading Schema.' Presented at: AAMC Learn Serve Lead 2019 Conference; November 08, 2019; Phoenix, AZ.

**Tracking Recovery of the White Matter following Ischemic Stroke
(<https://medicine.osu.edu/-/media/media/files/medicine/research/resources/opportunities/md-student-resources/find-a-mentor/2019-mdsrs-awards.pdf>) , Ohio State 2019 Medical Student Research Office Annual MDSR Research Symposium**

Published on: Nov 06, 2019

Geisler, R.S., Hannawi, Y. 'Tracking Recovery of the White Matter following Ischemic Stroke.' Presented at: Ohio State 2019 Medical Student Research Office Annual MDSR Research Symposium; November 06, 2019; Columbus, OH.

Enhancing Medical Student Education Through Technology and Innovation , Ohio State University College of Nursing, Healthcare Innovation and Entrepreneurship Workshop

Published on: Sep 23, 2019

Schoeffler, A., Geisler, R., Okoye, K. 'Enhancing Medical Student Education Through Technology and Innovation.' Presented at: The Ohio State Healthcare Innovation and Entrepreneurship Workshop; September 2019; Columbus, OH.

**The CamGFR model for renal function in patients with cancer: Validation and extension for use with data from isotope mass dilution spectrometry creatinine assays
(<https://abstracts.ncri.org.uk/abstract/the-camgfr-model-for-renal-function-in-patients-with-cancer-validation-and-extension-for-use-with-data-from-isotope-mass-dilution-spectrometry-creatinine-assays/>) , National Cancer Research Institute**

Published on: Nov 06, 2018

Williams, E. Whitley, C. Weaver, J., Connell, C., Geisler, R., Giglio, D., Tavaré, S., Jodrell, D., Janowitz, T. 'The CamGFR model for renal function in patients with cancer: Validation and extension for use with data from isotope mass dilution spectrometry creatinine assays.' Presented at: National Cancer Research Institute Cancer Conference; November 2018; Glasgow, United Kingdom

Analysis of longitudinal liver function predicts outcome in sorafenib-treated patients with advanced Hepatocellular Carcinoma (<https://abstracts.ncri.org.uk/abstract/analysis-of-longitudinal-liver-function-predicts-outcome-in-sorafenib-treated-patients-with-advanced-hepatocellular-carcinoma/>), National Cancer Research Institute

Published on: Nov 06, 2018

Potts, H., Williams E., Geisler, R.S., Connell, C., Hoare, M., Janowitz, T. 'Analysis of longitudinal liver function predicts outcome in sorafenib-treated patients with advanced Hepatocellular Carcinoma.' Presented at: National Cancer Research Institute Cancer Conference; November 2018; Glasgow, United Kingdom

Validation of a new model for estimating glomerular filtration rate in patients with cancer (http://ascopubs.org/doi/abs/10.1200/JCO.2018.36.15_suppl.2565), Journal of Clinical Oncology

Published on: May 01, 2018

Williams, E., Geisler, R. S., Beh, I., Bertelli, G., Cathomas, R., Dooley, M. J., ... & Mark, P. 'Validation of a new model for estimating glomerular filtration rate in patients with cancer.' Journal of Clinical Oncology 36, no. 15 (May 2018) 2565-2565.

Prophylactic Dressing for the Prevention of Pressure Ulcers , Cornell University M.Eng. Final Project Conference

Published on: Jun 01, 2017

Schneider, S., Zhang, X., Geisler, R. 'Prophylactic Dressing for the Prevention of Pressure Ulcers.' Presented at: Cornell University M.Eng. Final Project Conference, May 2017.

♥ INTERESTS

Emerging technologies

3D Printing **Virtual and augmented reality** **Open source projects**

Applications of educational technology to professionals, students, patients, and laypeople

Medical device development

Music

[Piano](#) [Guitar](#)

LANGUAGES

English, Native speaker

Spanish, Conversational