

# Name

EDUCATION	<b>Amherst College</b> , Amherst, MA   <i>Bachelor of Arts</i> Majors: Biology and Chemistry   GPA: 3.89/4.00	<b>2019 (Expected)</b>
RESEARCH	<b>Ming Lab</b>   <i>Amherst College Biology Department</i>   Amherst, MA <ul style="list-style-type: none"><li>Characterize the role and directionality of a plant iron transporter using both plant and yeast model systems, with the goal of informing iron biofortification of crops.</li></ul> <b>Pryor Lab</b>   <i>Seattle Children's Hospital</i>   Seattle, WA <ul style="list-style-type: none"><li>Examined RNA editing in kidney cells as a response to various renal injury models.</li><li>Conducted research as a participant of the UW Summer Research Program in Kidney Medicine, a program through University of Washington Medical School.</li><li>One of four students chosen from the program to present a research poster at the Society of Kidney Disease national meeting, Kidney Week 2017.</li></ul> <b>Owena Lab</b>   <i>The University of Oregon Comprehensive Cancer Center</i>   Eugene, OR <ul style="list-style-type: none"><li>Investigated role of cGAMP in harnessing innate immunity through increased natural killer (NK) cell activation and antitumor activity.</li><li>Explored mechanisms of increased NK activation by examining type I interferon levels.</li></ul> <b>Pompeo Lab</b>   <i>Institute of Pediatric Medicine</i>   Boston, MA <ul style="list-style-type: none"><li>Studied association between certain morphological changes in uropathogenic <i>E. coli</i> strains or serotypes of <i>E. coli</i> and characteristics of resulting urinary tract infections.</li></ul>	<b>May 2018 – Present</b> <b>June 2017 – Aug 2017</b> <b>June 2016 – Aug 2016</b> <b>Oct 2012 – May 2015</b>
PUBLICATIONS	House G, Cameron A, Spencer J, Avery J, Kim I, Howard T, <b>Name</b> , Odell KR, Alfonzo G, Hale L, Owens SS. 2017. <u>Title of Article</u> . <i>Title of Journal</i> . Kerrigen EJ, Mohammed C, Tseng C, Murphy AZ, Dale B, <b>Name</b> , Khan VR, Johnson SA, Crowley B, Owens SS. 2017. <u>Title of Article</u> . <i>Title of Journal</i> .	
AWARDS & HONORS	<b>The Harper-Avery Award for Research in Chemistry</b>   <i>Amherst College Dept. of Chemistry</i> <b>April 2018</b> Recipient of undergraduate award providing funding and support for research in chemistry. <b>"Best Use of External Data"</b>   <i>American Statistical Association – Five College Datafest</i> <b>March 2017</b> Team chosen for best integration of publicly-available outside data into analysis of large corporate dataset at nationally-coordinated statistics/data analysis competition. <b>"Best in Group"</b>   <i>American Statistical Association – Five College Datafest</i> <b>April 2018</b> Team selected as best in one of three judging groups for presentation and visualization of trends within a large dataset, providing insights on a website's visitors' purchasing habits. <b>Melton Scholar</b>   <i>Amherst College</i> <b>Aug 2015 – May 2019</b> Research grant and faculty support of academic interests outside of regular coursework. Awarded to three students in Class of 2019 as incoming first-years.	
ACTIVITIES	<b>Emergency Department Care Volunteer</b>   <i>Cooley Dickinson Hospital</i>   Amherst, MA <ul style="list-style-type: none"><li>Care for and assist patients visiting the ED during weekly 4-hour shifts.</li><li>Advocate for patients during their stay.</li><li>Assist nurses and paramedics as they provide patient care.</li></ul>	<b>Sept 2018 – Present</b>

- Biology 3 + 4 Member** | *Amherst College Dept. of Biology* | Amherst, MA **Sept 2017 – Present**
- Organize departmental events involving students, including meetings with faculty candidates and social and academic events.
  - Serve as student-faculty liaison and represent biology majors' interests to other departments or offices on campus.
- Pre-Health Peer Mentor** | *Health Professions Advising Program* | Amherst, MA **Sept 2017 – Present**
- Mentor and guide underclass students considering the pre-health track.
  - Build a culture of support and community among pre-health students at Amherst.
- Student Blogger** | *Amherst College Admission Office* **Oct 2017 – Present**
- Provide insight into student life at Amherst for prospective students via blogs.
- Managing News Editor** | *The Amherst Student* | Amherst, MA **Jan 2016 – Dec 2018**
- Led editing, writing, and design staff in producing weekly print and online content for the student-run school newspaper.
  - Taught new staff writers about the foundations of journalism and trained new managing section editors.
  - Covered the 2016 college protests cited by The New York Times.
- Squad Member** | *Amherst College Emergency Medical Squad (ACEMS)* | Amherst, MA **Sept 2016 – May 2018**
- Responded to medical emergencies on campus as a member of student-run volunteer EMS squad.
- Secretary of globalhealthU** | *GlobeMed at Amherst College* | Amherst, MA **Sept 2015 – Feb 2018**
- Planned campus-wide public and global health events with visiting speakers.
  - Led a team of students to teach others about current public health issues at weekly meetings.
- Vela Scholar** | *Amherst Regional Middle School* | Amherst, MA **Sept 2015 – May 2016**
- Mentored middle school students in the Vela Scholars "Enrichment Program" through guided discussions on health, self-image, social issues and inequality, and safety.

**SKILLS**

**Research:** Flow cytometry, PCR, gel electrophoresis, cell culture, ELISA, basic laboratory techniques  
**Technical:** Statistical programming in R, Microsoft Office Suite, Adobe (Photoshop, Lightroom, InDesign)

**MEMBERSHIP**

Sigma Xi, National Registry of Emergency Medical Technicians (NREMT)