HEATHER ADAMS

♦ 8715 Bell Tower Dr, Gaithersburg, MD, 20879 ♦ 240-474-3292 ♦ heather.adams719@gmail.com ♦

Education

**Bachelor of Science:** University of Maryland- **Cell Biology and Molecular Genetics**, College Park, MD 3.92 GPA 2020

**Associate of Science:** Montgomery College- **Biological Science**, Rockville, MD 4.00 GPA 2018

Work Experience

**Lead Instructor for STEM After-School/Summer Program** July 2016—Current

Club SciKidz Elkridge, MD

* Led classrooms of 20+ students aged 4-15 through various experiments or building projects.
* Taught classes focused on anatomy, EMS, engineering, chemistry, biology, programming, circuitry and 3D printing
* Involved in lesson-planning, activity-building, delegation, and classroom management.

Volunteer Experience

**Professional Singer and Musician** 2015—Current

Flower Hill String Band Gaithersburg, MD

* Lead vocalist in a professional contemporary acoustic band.
* Participated in over 280 performances in the MD, VA, DC and WV area at state, county and community events.
* Performed at non-profit and charitable events, nursing homes, parks, weddings, restaurants and businesses.

**Volunteer for Terps for Change** January 2019- Current

University of Maryland College Park, MD

* Volunteered weekly at various community partner locations such as local park facilities, nursing homes and schools.
* Attended weekly dialogue sessions to discuss volunteer experiences, critical social and environmental issues, and to prepare for the next volunteer day.

**Volunteer and Official Photographer for Animal Rescue** January 2014- 2018

House with a Heart Non-Profit Gaithersburg, MD

* Volunteered biweekly by photographing the facility and animal residents for the HWAH website, social media platforms, and for fundraising purposes. Created commercials and advertisements.
* Participated in animal care such as grooming and medication administration.

Projects

**Research Project: Curcumin as an Anticancerous Agent** December 2018

* Worked with a group of students to test the apoptotic effect of curcumin on HL-60 cells.
* Utilized various assays in data collection such as the WST, Trypan Blue, Dot Blot, Caspase Colorimetric, and Fluorescence Colorimetric Assays. Results were analyzed and formatted for presentation to the class.

**Term Paper: Mechanisms of Tree Species Coexistence**  September 2018—December 2018

* Research was conducted to identify ecological mechanisms responsible for cases of tree species coexistence.
* Recent journal publications were reviewed and synthesized to produce a final paper.

Awards & Organizations

* Vice-President of the **Pre-Optometry Society** at University of Maryland, 2019
* Member of **Tau Sigma National Honor Society** at University of Maryland, 2019
* Member of the **Dean’s List** at University of Maryland, 2019
* Recipient of the **Merit Scholarship** at University of Maryland, 2018
* Member of **Mathematics Club** at Montgomery College, 2018
* Member of **Phi Theta Kappa Honors Society** at Montgomery College, 2018
* Member of the **Dean’s List** at Montgomery College, 2017
* Recipient of the **Board of Trustees Scholarship** (merit based), 2016-
* Salutatorian of **Covenant Life School**, 2016.
* Lifetime member of **Covenant Life Church.** Served as Children’s Ministry Assistant.