**EDUCATION**

**University of Michigan** ‒ Ann Arbor *(2015-2019)*

*Astrophysics/Computer Science*

* College of Literature, Science, and the Arts ‒ Honors Program ‒ *GPA: 3.784*
* Relevant coursework: Honors Physics 160, Honors Physics 161 (Lab), Honors Physics 260, Physics 241 (Lab), Honors Intro to Cryptology, Honors Explorations in Calculus

**Breckenridge High School** ‒ Breckenridge, MI *(2015)*

* GPA: 4.0/4.0 ‒ Class Valedictorian
* National Merit Scholar

**WORK EXPERIENCE**

**University of Michigan** ‒ Ann Arbor, MI *(Sept. 2015-Present)*

*Researcher on “Exploring Dark around Galaxies” Project, under Dr. Eric Bell*

* Analyze imaging data from GHOSTS, in the hopes of revealing previously undiscovered information concerning stellar populations, patterns, and formation history, alongside the mapping of dark matter distribution in local galaxies.
* Imported, reprocessed, and replotted data to be analyzed, all using IPython Notebooks
* Attended weekly meetings with other researchers to discuss findings and difficulties with our individual endeavors. Includes regular presentations of recent individual work as well as group dialogue and critique concerning research methods.

**Pioneer Hi-Bred, International** *(Seasonal, 2010-Present)*

*Crew leader*

* Lead a designated group of workers, ensured that work was properly and efficiently completed; personally responsible for a section of the research experiments taking place on site; ensured the upholding of all rules and procedures necessary for successful and accurate research to take place

*Pollinator*

* Worked in corn fields, following specific instructions of how to pollinate hybrid corn, for the purpose of research

**Village of Breckenridge** *(Summer 2012)*

* Improved local aesthetics, through painting of public rails and sanitation unit corrals

**Breckenridge High School** Music Department *(Aug. 2015)*

* Instructed the drumline at the school’s bandcamp
* Instructed band in marching technique

**COMMUNITY SERVICE**

**American Red Cross Blood Drives** ‒ Breckenridge, MI *(2013-2015)*

* Coordinated, scheduled, and organized volunteer efforts, and volunteered there myself
* Advertised for events, set up and cleaned up on days in which we hosted drives

**Breckenridge Food Pantry** ‒ *(2012-2015)*

* Provided setup and cleanup services for fundraising dinners
* Aided in serving needy visitors to the program

**“Food with Friends” program** ‒ Breckenridge, MI *(2013-2015)*

* Organized all volunteer efforts for program
* Provided service for local senior citizens, giving them somewhere to socialize, and took part in that socialization

**OTHER EXPERIENCE**

**National Honor Society** ‒ Breckenridge, MI *(2013-2015)*

*Chapter President*

* Coordinated all events and activities involving the NHS, volunteering or otherwise
* Maintained communications with outside groups and individuals, including administrations, local businesses, community members, and future members
* Mentored members, especially future officers in the practices of managing the chapter

**University of Michigan Marching Band** ‒ *(2015-Present)*

*Drumline Member*

* Operate in a team-centric environment, ensuring that new deadlines are met each week; dedicate time outside of rehearsal for personal practice and improvement

**SKILLS**

|  |  |
| --- | --- |
| * Experience in a strict experimental environment | * Lockout-tagout safety training |
| * Experience with Python |  |
| * Qualitative and quantitative data entry/analysis | * Dangerous chemical/pesticide safety and handling training |