

# Lydia Halter

lydia.leigh33@gmail.com | 610-585-1302 | 709 Woodfield Road, Villanova, PA 19085

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## OBJECTIVE

Senior mathematics major with experience in data cleaning, selection, and visualization in R, Python, and SQL. I am seeking employment starting January 2023 in data science/data analytics where I would further develop my technical and analytical skills and combine my artistic side to produce well rounded reports.

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## EDUCATION

**Rensselaer Polytechnic Institute** Aug 2019 – Current

Bachelor, Mathematics 2023, Psychological Science Minor, 3.17 GPA

Coursework: Data Analytics, Intro to Data Math, Research Methods and Statistics, Numerical Computing, Advanced Calculus, CS Python

**Montgomery County Community College** September 2020 – December 2020

Coursework: Probability and Statistics, Differential Equations, Public Speaking Honors, 3.57 GPA

**Coursera (Imperial College London)** June 2020 – July 2020

Mathematics for Machine Learning: Linear Algebra

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## EMPLOYMENT

**Data Analytics Research** *Researcher*, Troy, NY May 2022 – August 2022

Created SWOT clock in R/R Shiny which visualizes gene to gene connections and stages of brain development as it applies to different diseases/disorders. Translated legacy code from TypeScript into R using self-taught Circos and regular expressions.

**Forbes Family Trust/LGL Partners** *Intern*, West Conshohocken, PA September 2021 – December 2021

Translated analytical methods from R script to Python for our Sr. Quantitative Analyst. Organized/edited client documents and presentations in Adobe Acrobat. Assisted CIO and Chairman.

**Tips-Y Nails** *Owner & Nail Artist*, Traveling (<https://www.instagram.com/tipsynails.ny/>) July 2020 – Current

Founded private nail salon where I create custom, innovative nail designs, manage clientele, and maintain inventory.

**Xolo Tacos, Savona and Tango Restaurants** *Waitress & Hostess*, Philadelphia suburbs, PA 2016 – 2020

Handled orders and parties, brought food/drinks to customers, greeted guests, dealt with customer satisfaction.

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## SKILLS

**Technical:** R, R Shiny, Python, SQL, Data Visualization, Data Modeling, Data Cleaning, Machine Learning, GitHub, TensorFlow, Jupyter Notebook, Spyder, Microsoft Office, Regular Expressions

**Soft:** Creative, Self-Starter, Critical Thinking, Leadership, Team Builder, Problem Solver, Adaptable, Relationship Builder, Communication, Attention to Detail

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## AWARDS

**Rensselaer Leadership Award** Rensselaer Polytechnic Institute

Spring 2022, Summer 2021, Spring 2021, Spring 2020, Fall 2019

**Dean's List** Rensselaer Polytechnic Institute/Montgomery County Community College

Fall 2019: 3.50 GPA; Fall 2020: 3.57 GPA, Spring 2020: 3.66 GPA

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## ACTIVITIES

**Alpha Gamma Delta** Member Spring 2020 – Current

Coordinate events for our sorority and other Greek life-affiliated groups. Partake in volunteer work to fight hunger.

**The Rensselyrics** Treasurer/Alto/Soloist Fall 2019 – Spring 2022

Arranged and performed a cappella on campus, in nearby cities, and during large events such as the ICCAs. Spring 2021 treasurer.

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## VOLUNTEERING

**Pegasus Therapeutic Riding Academy** Philadelphia, PA Feb 2018 – Dec 2018

Cleaned, fed, and walked horses, kept the barn clean and tidy.

**The Philadelphia Project** Philadelphia, PA Summer 2016, 2018, 2019

Volunteered with my church youth group: Repaired inner-city home, made and distributed meals to homeless; spackled/repainted gym.

**Comcast NBCUniversal Annual Cares Day** Philadelphia, PA Spring 2015, 2016, 2017

Re-painted developmental center, filed documents at rehabilitation hospital; sorted supplies for the Clarke School for Hearing & Speech.