# Ericka F. Salas-Garcia

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## EDUCATION

**The University of Texas at Austin**, Austin, TX May 2022
*Bachelor of Science in Computational Biology,* GPA 3.17
*Minor in Computer Science*
**Relevant Coursework:** Data Structures, Linear Algebra, Systems Biology & Bioinformatics, Elements of Data Analytics

## SKILLS

**Technical Skills**: Proficient in Python, Java, R, JupyterHub, RStudio, Eclipse IDE; Intermediate in Linux; Familiar with SQL
**Languages**: Fluent in Spanish and English
**Certifications:** HackerRank Python, Microsoft Office 365 - NASBA, Project Management Foundations, Excel 2019 - NASBA

## EXPERIENCE

**Big Data in Biology Cohort, Freshman Research Initiative, UT Austin,** Austin, TX January 2019 – Present
*Undergraduate Researcher & Peer Research Mentor*

- Applied analysis on research projects involving data filtering and computational algorithms for large-scale datasets
- Mentored students bi-weekly with Python programming, bash scripting on local servers, and data visualization

**Department of New Student Services, UT Austin,** Austin, TX January 2019 – August 2019
*Orientation Leader/Advisor*

- Committed to the responsibilities of being a representative of my university within a selected and diverse team
- Responded to new student challenges and gained public speaking abilities by interacting with large audiences

## PROJECTS

**EZ Planner** July 2020 - Present

- Created an application that scans syllabi and sorts class due dates into a planning app using Xcode

**Lifestyle Blog – A Modern Chic** March 2020 – Present

- Developed personal website/blog using AWS, WordPress, and manually installed SSL security certificate

**Transcriptomic Signatures in Mood Disorders** August 2019 – Present

- Key player in cluster analysis using weighted-gene packages in R and performed a network analysis of large, high-dimensional RNA-seq datasets of patients with depression and bipolar disorder

**Dysregulated Genetic Pathways in Parkinson's Disease** January 2019 – May 2019

- Performed operations using Python and PANDAS data frames for genetic analysis of Parkinson's disease RNA-seq datasets. Achieved the goal of identifying mutated genes and dysregulated pathways.

## ACTIVITIES & LEADERSHIP

**Society of Hispanic Professional Engineers (SHPE),** Austin, TX January 2020 – Present
*Executive Administration Committee - Web Developer*

- Responsible in managing and developing the student organization's website including frequent content updates, account administration, debugging, regular upgrades, and feature enhancements.

**Coding in the Classroom,** Austin, TX September 2019 – December 2019

- Committed to mentoring the basics of computer science at low-income elementary school once a week

## HONORS AND INTERESTS

**Honors:** Hispanic Foundation Scholar (HSF), Texas Interdisciplinary Scholar, University Leadership Network Scholar
**Interests/Hobbies:** Data science and Software Engineering; Half-Marathon runner, blogging, and Broadway musicals