

# Ethan Chen

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## Education

**Bachelor of Science, Mathematics. GPA: 3.92**

**Expected Graduation: May 2024**

**Minor in Computer Science and informatics**

University of Texas at Austin – Austin, TX.

*Courses:* Data Structures & Algorithms, Web Applications, Software Engineering, Data Science, Calculus I, II, III.

*Activities:* VP Corporate of Society of Asian Scientists and Engineers, Build Team for Texas Convergent, ÉCLAIR

**Programming Skills:** Java, JavaScript, Python, PHP, SQL, R.

**Other/Technologies:** Git, ReactJS, HTML, CSS, Tableau, Superset, Snowflake, Bash, Linux, Autodesk, Blender, Figma

## Experience

**Entera** – Houston, TX.

May 2022 – Aug 2022

**Data Analyst Intern**

Analysis and modeling in Superset and Tableau.

- Responsible for building and maintaining the filtering infrastructure using **SQL**, **Tableau**, and **Superset** to provide insight into the market conditions and acquisition KPIs.
- Collaborated with product managers and other teams to perform analysis on client purchasing tendencies and improved efficiency of the acquisitions team by 20%.
- Implemented a litmus test to verify mapping accuracy and ensure pipeline efficiency, as well as created models using **Superset** and **Excel** and committing and storing such data within **Snowflake**.

**UT Health** – Houston, TX.

May 2020 – Jan 2021

**Software Development Research Intern**

- Improved Neural Network efficiency by testing and feeding training data using **Jupyter Notebook**, visualizing results through **R** and **Tableau**.
- Presented my demo neural network utilizing basic **TensorFlow**, **NumPy** and **Pytorch** to the research team, which was then used as a learning module for the graduate genetic informatics class
- Documented falsely hypothesized results and compiled each case into a repository within **Excel**

**Lazurus3D** – Houston, TX.

May 2019 – Aug 2019

**Engineering Intern**

- Created models of organs for cancer patients using **Blender**, **Tinker CAD**, and **Autodesk Maya**.
- Assisted with the quality control of models that have been passed into the production team, and facilitated in the fulfillment process

**University of Texas at Austin** – Austin, TX

Jun 2021 – Present

**Math Supplemental instructor and Course Grader**

- Graded exam, homework, and classwork papers for over 1000+ students within Texas.
- Learned to better explain technical concepts, gave detailed feedback to students within the designated pre-calculus class.
- Collaborated with different professors and teachers to ensure quality and efficiency of grading and feedback

## Projects

**Commuter**

Jan 2021 – May 2021

- Led team of 6: organized meetings, delegated tasks, helped teammates debug, etc.
- Designed a website layout, implemented responsive home, info, and signup pages, and deployed on GitHub.
- Implemented a login system to allow for users to access and filter out travel locations using (**JavaScript**, **PHP**, **MySQL**, **HTML**, **CSS**).

**Personal**

Jun 2022 – Aug 2022

- Designed the overall website concept/layout, implemented responsive home pages using (**JavaScript**, **HTML**, **CSS**, **Figma**).