

# Eric Tu

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GitHub:

<https://github.com/iLoveDisco>

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## Education

- **Degree, Major:** BS in **Computer Science** and **Software Engineering**
- **School:** **Rose-Hulman Institute of Technology** (Terre Haute, Indiana)
- **Minors:** Robotics, Spanish
- **GPA:** 3.8/4.0
- **Honors and Awards**
  - Rose-Hulman **Dean's List** – 4 consecutive semesters (since 1<sup>st</sup>)
  - Director of *Heroin in Stark County* - 2017 All American High School Film Fest Semifinalist
  - Violin Masterclass Participant – selected to play among renowned violinist, Lindsay Deustch in her 2017 Masterclass.

## Project Experience

**Website and Gradebook Application (2018)** ~ 100 Hours

- Used **JavaScript, CSS, HTML, JQuery, Firebase** to create a website for Bright Minds Learning Academy
- [www.brightmindsla.com](http://www.brightmindsla.com)

**Food Compass (2017)** ~ 25 hours

- Programmed in an Indy Civic Hack with two other teammates.
- Web App that helps citizens of Indy find the nearest food shelters.

**Editor Tree (Tree Data Structure) (2018)** ~ 30 Hours

- Built a **self-balancing AVL Tree** with  **$O(\log N)$**  data access **by index** using **JAVA** with **2 team members**

**Chatroom (2018)** ~ 20 Hours

- Built a **Web-Based** chatroom using **React.js** and **Firebase**
- Used **HTML, JavaScript,** and **CSS**

## Work Experience

**Bright Minds Learning Center (2018)**

- **ACT/SAT Tutor** at Canton, OH
- In addition to teaching difficult concepts, I designed a web application that is still used/managed to this day. Saved company \$400 annually.

**Homework Hotline (2017 – present)**

- **Tutor** at Terre Haute IN
- Helped students K – 12 with Homework problems by breaking down difficult concepts via. **phone**

**Web Developer at Bright Minds Learning Center (2018)**

- Designed website completely from scratch
- Used **HTML, CSS, JavaScript, JQuery,** and **Firebase**
- [www.brightmindsla.com](http://www.brightmindsla.com)

## Technical Experience

**Programming Languages:**

- Proficient in **Java, Scheme, Javascript/HTML, C and Markdown**
- Moderately Proficient in **CSS, Maple,** and **Python**

**Skills:**

- Proficient in: **Algorithm Analysis, Data Structures**
- Moderately Proficient in: **Unit Testing, Code Design Principles**
- Participated in a **3-week intensive training course**, hosted by TechPoint, **focused on developing the skills/ competencies needed for internships in tech**

**Software:**

- Github, Git, Visual Studio Code, Eclipse, Source Filmmaker, Camtasia Studios