

# Ethan Syed

(817)-808-5220 / [ethansyed@utexas.edu](mailto:ethansyed@utexas.edu)

Portfolio: <https://ethansyed.github.io/>

<https://www.linkedin.com/in/ethan-syed-570b86186/> | <https://github.com/ethansyed> |

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## Education

University of Texas at Austin – Austin, TX

GPA: 3.16

Bachelor of Engineering in Electrical and Computer Engineering

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## Work Experience

### Mavencode

Software Engineering Intern; Southlake, TX

June 2021 - August 2021

- Utilized Typescript and React to develop front-end design and functionality
  - Created and designed full-webpages and individual components
  - Developed API methods to integrate with back-end with the use of JavaScript
  - Planned needed features alongside coworkers to organize priority and address client's needs
  - Integrated AWS and Google Cloud connections into server/team management within product
  - Increased code throughput by approximately 20% and exceeded deadline expectations by one week
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## Academic/Personal Projects

### Zombie Invaders Video Game

- Utilized C and ARM to create a Space Invader-esque game
- Implemented hardware such as a screen, input devices, and auxiliary output with custom firmware
- Wrote main program in C to implement game features and textures while interfacing with hardware

### Facial Recognition Program

- Program written in python and built with OpenCV library.
- Designed to encode faces from a database of photos and compare encodings to real-time video feed
- On detection of an unknown face, a snapshot of the face is taken, encoded, and added to the database

### Userbase REST API

- Created a locally hosted REST API built using Mongoose, Express, and plain JavaScript
  - API had the functionality to GET, PATCH, POST, and DELETE users from a MongoDB Database
  - Express used to create and configure routing, requests, and responses
  - Mongoose used to connect to a MongoDB server and create a schema for user information
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## Extracurriculars/Awards

**IEE Member (2021-Current)** – Participated in and organized arrangements for guest company events, networking opportunities, and social activities among the Cockrell School of Engineering cohort

**Richard Greene Scholarship Program (Feb. 2020-Current)** – Distinguished scholarship of \$10,000 and year-long city community development internship awarded by the city mayor

**Greater Arlington Chamber of Commerce Scholar (2020-2021)** – One of ten students in the Arlington Independent School District awarded a \$2500 scholarship award as a future community leader.

**Key Club President (2018-2021)** – Organized cleanup events for over 20 acres of natural area, donated over 50lbs. of food through club efforts, led biweekly meetings for 100+ student members, served as a liaison to affiliated nonprofits and established connections with Arlington ISD schools for community outreach efforts.

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## Skills –

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| • C, C++, C#, JavaScript, Typescript, ReactJS, Node.js, ARM, HTML/CSS, SQL | • Microsoft Excel, Microsoft PowerPoint     |
| • MongoDB / MySQL  | • Leadership & Teamwork ability             |
| • Multisim and LTspice   | • Problem Solving / Critical Thinking       |
| • Digital logic and circuit design   | • TM4C, Arduino microcontroller programming |
| • AutoCAD  |   |