

# TIMOTHY GOH

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## EDUCATION

### Rice University

Bachelor of Arts in Computer Science

August 2018 - May 2022

### Austin Community College

Cumulative GPA: 4.0/4.0

SAT: 1510 | ACT: 33

August 2015 - May 2018

**Relevant coursework:** Data Structures, Computational Thinking, Engineering Design and Communication, Object-Oriented Programming, Multivariate Calculus, Linear Algebra, Discrete Math

## PROJECTS

### DECIBEL DISPLAY | Houston, TX

Aug 2018 - Present

*Founder*

- Designed and prototyped a device that analyzes surrounding sound levels and alerts users to wear ear protection at unsafe volumes
- Worked in a 5-person team and informed client regularly with technical memos and presentations
- Implemented laser cutting, 3D printing, light coordination, Arduino, and circuitry

### MOUSE PASS | College Station, TX

January 2019

*Application Developer*

- Developed a passwordless authentication system that utilizes machine learning to analyze a user's mouse movements and detect intruders
- Won first place at TAMUhack and worked with Java, Python, and TensorFlow in a 4-person team

### CODERED | Houston, TX

Nov 2018

*VR Developer*

- Developed a VR simulator called "oVRn" to train users on the proper use of kitchen appliances
- Won third place at CodeRED and worked with C#, Unity, and Oculus Rift in a 3-person team

## WORK EXPERIENCE

### TRAVIS COUNTY ATTORNEY | Austin, TX

Aug 2016 - Aug 2017

*IT Assistant*

- Wrote computer programs and installed computer systems
- Queried relational databases with SQL and converted old FoxPro applications to C++

### CATHEDRAL SCHOOL OF ST. MARY'S | Austin, TX

Aug 2017 - Dec 2017

*Cubing Club Head Coach*

- Coached a group of 30 middle school children on how to solve a Rubik's cube
- Created a personalized 8-week curriculum designed to slowly introduce new concepts each week
- Achieved an outcome of 95% of the class solving the cube by the end of the semester

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, HTML5, CSS3, LaTeX, SQL, Swift

## ACTIVITIES

### COMPETITIVE RUBIK'S CUBE SOLVING

Dec 2015 - Present

- World record holder for solving a Rubik's cube blindfolded with feet (2 minutes and 43 seconds)
- 3rd place at CubingUSA Nationals 2018 in 5x5 blindfolded (Ranked 9th in the world)
- Started a YouTube channel to teach advanced techniques for solving Rubik's cubes blindfolded (50,000+ video views)

## HONORS AND AWARDS

- **First place in TAMUhack 2019 Charles Schwab track** Spring 2019
- **Third place at CodeRED 2018 hackathon** Fall 2018
- **Second place in HackRice 2018 Schlumberger track** Fall 2018
- **USA Computing Olympiad Silver Level** Spring 2018
- **National Merit Finalist** Spring 2018