

Timothy Goh

STUDENT | SOFTWARE ENGINEER

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Education

Rice University

BS IN COMPUTER SCIENCE, GPA: 3.6/4.0

Houston, TX

Aug 2018 - May 2022

- **Courses:** Reasoning About Algorithms, Program Design, Data Science, Linear Algebra, Engineering Design and Communication

Austin Community College

COMPUTER SCIENCE, GPA: 4.0/4.0

Austin, TX

Aug 2015 - May 2018

- **Courses:** Data Structures, Discrete Math, Object-Oriented Programming, Multivariate Calculus, Physics II

Experience

Capital One

SOFTWARE ENGINEERING SUMMIT PARTICIPANT

Arlington, VA

Aug 2019

- Won "Best Concept" prize by building a chatbot-based React/Firebase social networking web app to facilitate access to microloans

Q2ebanking

SOFTWARE ENGINEER INTERN

Austin, TX

May - Aug 2019

- Implemented a Vue.js/Node.js-based dashboard to monitor the status and features of 100+ client websites
- Used the Apify SDK web crawler to automate the process of detecting website features and taking screenshots
- Worked with the Agile Scrum Methodology to set goals, observe progress, and improve productivity as a team

Travis County

IT ASSISTANT

Austin, TX

Aug 2016 - Aug 2017

- Queried data from the County Attorney's records to obtain protective orders for victims of domestic violence
- Converted old Visual FoxPro applications to C++, installed computer systems, and debugged programs

Projects

Me.nu

HACKRICE 9

Houston, TX

Sept 2019

- Built a web app to create personalized food recommendations based on user preferences and online ratings from Yelp/Google
- Won 1st place overall at HackRice 9 and worked with Flask, Google Cloud Platform, Beautiful Soup, and Pandas in a 4-person team

Project Confidence

TAMUHACK

College Station, TX

Jan 2019 - May 2019

- Created a convolutional neural network with Tensorflow's Keras library to analyze users' mouse movements and detect patterns
- Won 1st place in the Charles Schwab challenge at TAMUhack and worked with Java, Python, and TensorFlow in a 4-person team
- Collaborated with Baylor College of Medicine to test patients and identify early signs of Parkinson's disease

Nest

HACKRICE 8.5

Houston, TX

Mar 2019

- Developed an iOS app that gamifies the student experience by using geofencing to track progress towards real life achievements
- Won 1st place overall at HackRice 8.5 and worked with Swift and Xcode in a 4-person team

Skills

Languages Python, JavaScript, Java, HTML, CSS, C++, Swift

Technologies React, Node, Vue, Git, TensorFlow, iOS

Activities

Competitive Rubik's Cube Solving

- 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 (Formerly ranked 9th in the world)
- Started a YouTube channel (4BLD) to teach advanced techniques for solving Rubik's cubes blindfolded (85,000+ video views)
- Designed and coded training/analysis applications used by 1000+ Rubik's cube solvers across the world