

# SAMUEL YUAN

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## EDUCATION

<b>The University of Texas at Austin</b>	Bachelor of Science, Computer Science Honors	May 2025
	Bachelor of Business Administration, Canfield Business Honors	
	Overall GPA: 3.86/4.0	

## EXPERIENCE

<b>Roblox</b> – <i>Incoming Software Engineering Intern</i> ; San Mateo, CA	May 2023
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<b>Striveworks</b> – <i>Software Engineering Intern</i> ; Austin, TX	May 2022 – August 2022
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- Constructed Golang microservice to analyze and report product dependencies, deployed on Kubernetes cluster with Helm
- Designed Kubernetes-in-Docker cluster to deploy local instance of microservice for testing, mocked out various features
- Wrote Python unit tests interfacing with Amazon S3 and various platform SDK functions using Pytest and Pandas libraries
- Created CI/CD pipeline jobs to pull in-development Docker images from private registry and test before deployment

<b>Otto</b> – <i>Founding Engineer</i> ; Remote	July 2020 – January 2022
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*Pet management startup integrating software with QR code pet tag to centralize pet data and improve pet safety*

- Developed cross-platform mobile app with 600+ downloads and average rating of 4.4 stars using Flutter and GraphQL
- Architected efficient NoSQL structure for storing and retrieving user and pet data on Firebase cloud database
- Generated \$100+ in yearly recurring revenue by implementing paid in-app subscription system with premium features

<b>Major League Hacking Fellowship</b> – <i>Explorer Fellow</i> ; Remote	February 2021 - April 2021
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- Engineered four different open-source projects over 12 weeks with new technologies such as Svelte and Unity
- Delivered hour-long instructional workshop on GraphQL to about 10 team members
- Built Express.js API hosted on Microsoft Azure connect React.js frontend website with Hyperledger Fabric backend

## PROJECTS

<b>CapsuleMap</b> – <i>Role: Lead Mobile Developer</i>	April 2021
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- Programmed cross-platform social media app focused on physical and mental health with Flutter, Provider, MobX, Firebase
- Integrated Google Maps SDK and Geolocation API to display current user location and database entries created nearby
- Awarded \$11,000 in claimable funding by the 1517 Fund to further develop application

<b>VS Code GitHub Projects</b> – <i>Role: Full Stack Developer</i>	February 2021
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- Deployed open-source VS Code extension providing interface for GitHub Projects with 13,000+ total downloads
- Established persistent GraphQL communication by polling between multiple WebViews rendered by Svelte and GitHub API

## LEADERSHIP EXPERIENCE AND ACTIVITIES

<b>Undergraduate Computational Finance</b> – <i>Member</i>	Spring 2022 - Present
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- Craft market watches with insight into daily news and carefully researched stock pitches and analyses
- Developed trading simulation with React, Socket.io, and Node.js to simulate creating a market around a given value

<b>Honors Business Association</b> – <i>Vice President of External Affairs (Fall 2022)</i>	Fall 2021 - Present
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- Organized food drive with honors program office collecting 25+ canned goods donated to the Central Texas Food Bank

<b>Innovation and Development Association (IDEA)</b> – <i>Co-Founder, Co-President</i>	Fall 2019 - Spring 2021
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- Directed programming for weekly member meetings on coding fundamentals and app development to novice students

<b>HACK Initiative</b> – <i>Co-Founder, Volunteer</i>	Spring 2019 - Spring 2021
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- Launched volunteer program at two nearby junior high schools to teach coding to younger students
- Guided 50+ students in learning programming languages such as Java and JavaScript using interactive libraries such as p5.js

## HONORS

• First Place at UT Computer Science Honors CritterFest Competition	October 2021
• Second Place Project and Most Novel Hack at Citrus Hack Hackathon	April 2021
• Best UI/UX Hack at HackTheNortheast: Beyond Hackathon	January 2021

## ADDITIONAL INFORMATION

**Programming Languages:** Go, Python, Java, JavaScript, TypeScript, Dart, C

**Frameworks and Platforms:** React.js, Flutter, Docker, Kubernetes, Firebase, Git, Figma, NoSQL, Node.js, Pytest, CI/CD