

Andy Weng

825 Harlan Ct.
Murphy, Texas 75094
✉ Andywengw8@gmail.com

📞 (469) 571-8650

🐙 [GitHub](#)

🌐 [LinkedIn](#)

Portfolio

EDUCATION

University of Texas at Austin -- Computer Science, B.S

August 2017 – May 2021

Minor: Business

College of Natural Science Honor Roll

GPA: 3.93 / 4.0

EXPERIENCE

Wanderlust App

Full-Stack ([Repo](#) [Demo](#) [Wireframe](#))

- Built a native IOS travel journal app with a unique user interface for travel enthusiasts to share their journey using Swift.
- Created the user interface using custom pins and routes on apple maps with the MapKit framework.
- Implemented a backend database for user data with Cloud Firestore and Cloud Storage using the fanned-out approach.
- Implemented a TikTok style news feed where the user can swipe up and down for more posts and swipe left for more information.

Fetch Design App

Full-Stack ([Repo](#) [Demo](#) [Wireframe](#))

- Built an app from scratch with Swift that used augmented reality to display models of furniture.
- Created a user interface that allowed the user to move and rotate the furniture using SceneKit.
- Designed and integrated a backend database for user data using Cloud Firestore and Cloud Storage.
- Conducted surveys consistently to receive feedback from users in order to maintain user friendly user interface.

ConservOcean Website

Backend ([Website](#) [API Documentation](#) [GitLab](#) [Demo](#))

- Designed the backend REST API and implemented it using the using Python and the Flask web framework.
- Documented the REST API and wrote tests for all API endpoints using Postman and Python unittest library.
- Hosted a PostgreSQL database server using Amazon RDS to store data scraped from multiple REST APIs.

Undergraduate Teaching Assistant

January 2020 - Present

- Supervised professor's lectures by assisting 50+ students' with in-class activities in a flipped-classroom setting
- Lectured and explained concepts during weekly held office hours to help students accomplish their course objectives.
- Provided feedback and guidance to over 100+ students' programming assignments and projects.

SKILLS

Frontend

Swift	●●●●○
Objective-C	●●○○○
React Native	●●●○○
SwiftUI	●●○○○

Backend

Firebase	●●●●○
PostgreSQL	●●●○○

Frameworks

Core Data	Core Motion
MapKit	Core Location
ARKit	Core Graphics
SceneKit	Alamofire

Other Tools

Xcode	GitHub
Amazon EC2	Postman
Amazon RDS	Object-oriented programming
Docker	IAAS
JSON	PAAS
HTTP	Unit Testing
REST APIs	Heroku

ACTIVITIES

Robotathon

Participant, 2018

HackTx

Participant, 2020