

Ian Roquebert

📞 210.788.7210 | ✉️ roquebertian@gmail.com | 🌐 /gzpcho | 🌐 /in/ian-r

EDUCATION

Texas State University (TXST)

Aug 2020 – (May 2023)

B.S. in Computer Science, Minor in Mathematics

San Marcos, TX

- **GPA:** 4.0 / 4.0 – Dean's List all semesters
- **Selected Coursework:** Data Structures & Algorithms, Computer Architecture, Machine Learning, Computing Systems, Automata Theory, Discrete Mathematics, Assembly Language

EXPERIENCE

TXST Advanced Algorithms Design & Analysis

Aug 2021 – Present

Course Grader

San Marcos, TX

- Collaborated with Facebook Engineer Instructor in adapting senior-level curriculum, incorporated by the university.
- Helped students during weekly office hours grasping algorithms and paradigms including dynamic programming.
- Automated evaluation of homework submissions on Gradescope by writing >24 unit tests per assignment.
- Participated in weekly syncs to assess student performance and curriculum pacing.

TXST Computer Science Fundamentals

Jan 2021 – May 2021

Course Grader

San Marcos, TX

- Graded and delivered extensive written feedback on >450 weekly student code submissions.
- Enforced Google Style Guide conventions in C++ and appropriate problem-solving techniques.

PROJECTS

Nourish: Plant Watering Mobile App

July 2021 – Aug 2021

- Built a React Native app for indoor plant care with individual watering frequency matched with plant image.
- Enabled push notifications on both iOS and Android by utilizing the Expo API to remind user of daily tasks.
- Stored all plant data locally by implementing Async Storage to mock backend behavior.
- Designed and validated form that requests plant photo, species, water rate, and last water date.

Sonora: Collaborative Soundboard Website

June 2021 – July 2021

- Built a collaborative soundboard as a single page app where users can post, edit, and share small audio files.
- Prototyped design with Figma then adapted React Bootstrap components to create an appealing dark theme.
- Used Amazon Web Services (AWS) S3 buckets to store and retrieve sound files.

Yellowpages Website

April 2021 – May 2021

- Deployed web app that serves as a public yellow pages site to learn the Mongo-Express-React-Node (MERN) stack.
- Created RESTful backend to support database connections and CRUD operations on contact listings.

TECHNICAL SKILLS

Languages : C, C++, JavaScript, Python

Frameworks and Libraries : React/Redux, Node, Express, matplotlib, pandas

Tools and Services : Git, Linux, Visual Studio Code, Postman, Heroku, MongoDB Atlas, Jupyter

STUDENT ORGANIZATIONS

ACM – competed in programming events utilizing and creating algorithms to solve time-constrained problems.

TXST.EXE – attended presentations and workshops to explore new technologies related to computer science.