


RYAN CHHONG

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EXPERIENCE

Freetail Hackers

Technical Team Member

 2020 – Ongoing

- Wrote mobile event app for attendees using **React Native**
- Wrote mobile app using **React Native** to streamline the event experience for sponsors and organizers
- Used **Angular, Node, Express, and MongoDB** to optimize the HackTX applicant portal, integrate a sponsor portal, and remote Discord account verification
- Created a **Python** Discord Bot to enhance the attendee experience
- Wrote a tutorial and hosted a workshop on account authentication

Competitions Coordinator

Computer Science Organization

 2018 – 2019

- Founded, organized and planned a biannual hackathon.
- Taught algorithms and web development classes.
- Coordinated practices and provided full logistical support for algorithm competitions and hackathons.

PROJECTS

SnapPack

<https://github.com/InfernalHydra/SnapPack>

 2019

- Built for HackTX 2019, won best use of Google Cloud Services.
- Created a mobile app to help travelers pack by creating a checklist utilizing Google Cloud Vision.
- Built using: **React Native, Flask**

Forward Tutoring

<https://github.com/garrettgu10/forward-tutoring>

 2017-2019

- A 501(c)3 non-profit for online tutoring.
- Made massive improvements and changes in the back-end infrastructure to support new features, such as multiple shifts.
- Added many user-requested features, such as filters and improved administrative features.
- Built using: **React, Meteor**

Beehive Survey

<https://github.com/InfernalHydra/Survey>

 2020

- Built a editable survey for visitors to fill out
- Implemented rudimentary contact tracing with alerts
- Created a role-based authentication system to restrict editing permissions and access to the surveys
- Built using: **React, Firebase**

EDUCATION

University of Texas at Austin

B.S. Computer Science

 May 2022

- GPA: 3.95 (3.97 Overall)
- Relevant Coursework: Data Structures, Artificial Intelligence, Data Mining, Algorithms, Probability, Operating Systems, Computer Architecture,


SKILLS

- Languages - JavaScript, Typescript, Python, HTML/CSS, SASS, R, MongoDB, Java, C++/C, \LaTeX
- Frameworks - React, Node, Express, React Native, pandas
- Skills - Linux, Git
- Hobbies - Ricing, Mechanical Keyboards, Music

EXTRACURRICULARS

Reservations Coordinator

ATX Scioly

 2019 – Ongoing

- Wrote and proctored multiple exams related to Python, statistics, circuit analysis, digital logic, electricity, and magnetism.
- Coordinated with college administration to secure rooms for the club and the tournaments.
- Assisted with the logistics behind the largest Science Olympiad tournament in Texas.

ACHIEVEMENTS

Hack TX 2019 Winner

Won best use of Google Cloud Services

Jennie and Carl Sundberg Scholarship

Awarded scholarship from UT Austin's College of Natural Sciences