

# Tony Gonelli

linkedin.com/in/gonelli | github.com/gonelli | gonelli@utexas.edu  
Austin, TX

## Education

---

**The University of Texas at Austin**, Austin, TX  
Bachelor of Science in Computer Science

May 2020

## Technical Skills

---

- Proficient in Swift, Python, Java, and HTML/CSS; Familiar with C/C++, Kotlin, Javascript, and SQL
- Technologies include iOS, Android, React.js, Firebase/GCP, Git/Github, Docker, CI, and Regex

## Relevant Coursework

---

- Software Engineering, iOS Mobile Computing, Android Mobile Computing, iOS News App Development, Artificial Intelligence (Honors), C++ Programming, Computer Networks, Data Structures, Operating Systems, Computer Architecture, Compilers, Algorithms, Discrete Mathematics

## Experience

---

**SAGA Lab at UT Austin** – iOS Student Developer  
iOS Student Developer

Dec 2019 - Present

- Discovered two major security vulnerabilities in an inherited iPhone app codebase that gave users unrestricted read/write access to the databases, which included all user emails.
- Executed a successful transition to using Firebase Cloud Functions for database read/write operations, while locking down database permissions for users.
- Led the software design for this project, which included the Android development team.

## Projects

---

### Critique

Jun - Aug 2019

iOS Mobile Computing Team Project

- Developed an iOS social media application, utilizing Google Firebase for database and authentication, Algolia for instant search, and an online RESTful API for data requests.

### EngageClimateChange.com

Jun - Aug 2019

Software Engineering Team Project

- Led a team-built full stack web application that runs off its own custom RESTful API to display U.S. climate data, with aid of AWS Elastic Beanstalk and React.js to build and design webpages.

### Alngredients

Feb - May 2019

Artificial Intelligence Team Project

- Led, designed, and programmed a tool that utilizes reinforcement and Q-learning to suggest healthy, individualized recipes, drawing data from the USDA's RESTful API.

## Volunteerism

---

**Austin Pets Alive! Animal Shelter**

Sep 2018 - Present