Anthony Chang

Austin, TX • anthony.chang@utexas.edu • 281-961-4501
https://www.linkedin.com/in/anthony-chang1/ • https://github.com/MasterSushiChef

EDUCATION

University of Texas at Austin *Austin, TX*

- **Major:** Bachelor of Science in Aerospace Engineering; GPA: 3.88 *Aug. 2018 – Dec. 2021*
- **Intended Certificate:** Computational Engineering

Clements High School *Aug. 2014 – May 2018*
- National Merit Finalist, National AP Scholar

EXPERIENCE

Fujitsu Network Communications Richardson, TX
Software Development Intern *Jun. 2019 – Aug. 2019*

- Created a Python desktop application to streamline testing for telecommunications equipment
- Improved the efficiency of internal testing by automating tedious and error prone manual changes
- Automated conversion of production templates to test templates as well as the generation of new production templates, reducing the overall amount of communication and user errors
- Worked with other engineers to solidify design and feature requirements

UAV Austin Austin, TX
Infrastructure Team Lead *Aug. 2019 – present*

- Created instructional material on Javascript/Node.js, Docker, and Git for incoming team members
- Work with the head software lead to develop new software goals for the upcoming competition year

Infrastructure Team Member *Aug. 2018 – Jun. 2019*

- Created a service to log continuous flight data using InfluxDB then integrated with a Grafana dashboard
- Collaborated in pairs to develop an ICMP ping service to ping devices on the UAV directly
- Experience in project development sprints using Agile methodologies and containerized services
- Tweaked service to allow for user control of upload rates of flight data to competition servers
- One of 11 members on the competition team

Self-Employed Sugar Land, TX
High School Math Tutor *Mar. 2018 – Jun. 2018*

- Tutored 5 high schoolers individually in in SAT prep, Pre-AP Algebra II, AP Physics I, and Geometry
- Raised tutee's SAT math section score by 120 points
- Improved a tutee's Algebra II grade from a 78 to an 85 over the course of 4 weeks

PROJECTS

Disaster Watch Chrome Extension

- Created a Chrome extension during a hackathon to inform users about natural disasters
- Implemented backend using Node.js with HTML/CSS frontend with two other team members
- Intefaced with Google Maps API to determine possible user danger during a flood event

RecipeWriter Recurrent Neural Network

- Created a neural network capable of generating recipes using Java in IntelliJ IDEA with Maven
- Utilized deep learning & multi-dimensional matrix libraries to create a basic recurrent neural network
- Applied knowledge from multivariate and vector calculus to understand key concepts

QUALIFICATIONS/SKILLS

Computer languages: Python, C++, Javascript, Java, MATLAB, HTML
Technologies: Node.js, Git, InfluxDB, Grafana, Docker, Solidworks
Languages: Chinese, Japanese