

Anthony Chang

📍: Austin, TX

🌐: github.com/MasterSushiChef

✉: anthony.chang@utexas.edu

☎: 281-961-4501

🌐: linkedin.com/in/anthony-chang1/

EDUCATION

University of Texas at Austin; GPA: 3.88

Austin, TX

- **Major:** Bachelor of Science in Aerospace Engineering
- **Intended Certificate:** Computational Engineering

Aug. 2018 – (Intended) Dec. 2021

Relevant Coursework: Seq., Series, and Multivariable Calculus, Differential Equations w/ Linear Algebra, Advanced Calculus for Applications II, Intro to Computer Programming, Engineering Computation

EXPERIENCE

Fujitsu Network Communications

Richardson, TX

Software Development Intern

Jun. 2019 – Aug. 2019

- Created a Python desktop GUI application to streamline testing for telecommunications equipment
- Helped test engineers by improving the efficiency of internal testing by automating error prone manual tasks
- 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 software and test engineers to solidify design and feature requirements

UAV Austin

Austin, TX

Infrastructure Team Lead

Aug. 2019 – present

- Taught seven incoming team members Node.js, Docker, and Git through an interactive project
- Work with other software leads to develop new mission requirements 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
- Developed unit tests using Jest and integrated the logging service using Docker Compose

Dept. of Mechanical Engineering, University of Texas at Austin

Austin, TX

ME 210 Grader

Sept. 2019 – present

- Graded tests, CAD drawings, and part sketches weekly for 70 Engineering Design Graphics students
- Communicated with professor to determine point distributions and grading requirements

Self-Employed

Sugar Land, TX

High School Tutor

Mar. 2018 – Jun. 2018

- Discussed lesson plans and student progress with parents; taught five tutees SAT prep, math, and physics

PROJECTS

Expiration Date Tracker

- Designed and created a simple C++ command line tool to track quantity and expiration dates of foodstuffs

Disaster Watch Chrome Extension

- Created a Chrome extension during a hackathon to inform users about natural disasters
- Intefaced with Google Maps API to determine if the user is in possible 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

SKILLS/QUALIFICATIONS

Computer languages: Python, C++, Javascript, Java, MATLAB, HTML

Technologies: Node.js, Git, Jira, Docker, InfluxDB, Grafana, Solidworks

Languages: Chinese, Japanese