

# Anthony Chang

📍: Austin, TX  
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## EDUCATION

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### University of Texas at Austin; GPA: 3.88

Austin, TX

- **Major:** Bachelor of Science in Aerospace Engineering
- **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

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### Fujitsu Network Communications

Richardson, TX

*Software Development Intern*

Jun. 2019 – Aug. 2019

- Created a Python desktop GUI application to streamline testing for telecommunications equipment
- 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
- Solidified design and feature requirements by communicating with other software and test engineers
- Completed small feature additions such as programmatically creating and organizing template files

### UAV Austin

Austin, TX

*Infrastructure Team Lead*

Aug. 2019 – present

- Taught seven incoming team members Node.js, Docker, and Git through an interactive project
- Developed new mission requirements with other software leads for the upcoming competition year
- Learned the Elixir programming language in order to fix mission critical bugs discovered at competition
- Communicated with other team leads to organize flight test objectives and logistics

*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
- Gained experience in project development 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

*Undergraduate Assistant*

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

## PROJECTS

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### Chevron Work Order Scheduler

- Created an API with Node.js deployed on Heroku to allow frontend to communicate with the backend
- Worked with one partner to develop prioritization algorithm in Python

### Disaster Watch Chrome Extension

- Developed a Chrome extension to aggregate data on natural disasters in order to better inform users
- 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 text recipes using Java in IntelliJ IDEA with Maven
- Utilized deep learning & multi-dimensional matrix libraries to create a basic recurrent neural network

## SKILLS/QUALIFICATIONS

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**Computer languages:** Python, C++, Javascript, Java, MATLAB, Elixir

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

**Languages:** Chinese, Japanese