Anthony Chang

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EDUCATION

University of Texas at Austin; GPA: 3.88 *Austin, TX*
- **Major:** Bachelor of Science in Aerospace Engineering *Aug. 2018 – (Intended) Dec. 2021*
- **Intended Certificate:** Computational Engineering

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*
- Created instructional material on Node.js, Docker, and Git in order to teach seven incoming team members
- Work with other software leads 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

Dept. of Mechanical Engineering, University of Texas at Austin Austin, TX
ME 210 Grader *Sept. 2019 – present*
- Graded tests, CAD drawings, and sketches weekly for 140 Engineering Design Graphics students
- Communicated with professor to determine point distributions and grading requirements

Self-Employed Sugar Land, TX
High School Math Tutor *Mar. 2018 – Jun. 2018*
- Raised a tutee's SAT math section score by 120 points and math grade from a 78 to an 85 in 4 weeks
- Discuss with parents to refine lessons goals, tutoring times, and progress expectations

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

QUALIFICATIONS/SKILLS

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