

# JERRY HUANG

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## EDUCATION

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- The University of Texas at Austin** BS in Computer Science Expected: Dec 2020
- Coursework: Data Structures, Discrete Math, Multivariable Calc, Computer Architecture and Org, Operating Systems
  - Most comfortable with Java, Python; Comfortable with C/C++, JavaScript, Swift; Exposure to Ruby, PHP

## EXPERIENCE

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- Apple** – *Incoming Software Engineering Intern* Jan – Aug 2019
- Incoming intern on the Apple TV Team
- Hiretual** – *Software Engineering Intern* May – Aug 2018
- Developed web crawlers with Scrapy to aggregate and parse millions of datasets (**Python**)
  - **Spark** modules with map-reduce and Lambda functions for data processing
  - Developed full-stack web app with **Flask** to manage web crawlers, data aggregation and data processing
  - Built and deployed API's with models for **Elasticsearch**, data analysis with **Pandas**, and user profile matching model
  - Developed a complete module for data migration from MySQL to Cassandra
  - Built workflow bots using **Selenium** for QA testing and verifying stability of front-end frameworks

## PROJECTS

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- SaferAcres** – *HackTX* Oct 2018
- Crowdsourced crime activity app that analyzes videos with cognitive functions and predicts future crime hotspots
  - **1<sup>st</sup> Place Microsoft Award** at HackTX
- Code for Good Challenge** – *JPMorgan Chase & Co.* Oct 2018
- Collaborated with team of 6 students and engineers to develop full stack web app for non-profit SERJobs
  - Developed backend in Python with Flask and deployed SQL database to AWS EC2 server
  - Wrote several backend API's for communication between frontend and backend MySQL database
- hangtime.io** – *HackUTD, Co-Founder* Jan 2018 – Present
- Social event platform allowing college students to create and discover popular nearby events, parties, and concerts
  - Collaborated with team of 4 to develop iOS app with integrated Firebase database and live group messaging (**Swift**)
  - Hackathon-turned startup preparing for official app launch at UT Austin – Fall 2018
  - **1<sup>st</sup> Place Cisco Award** at HackUTD
- flyamerican.today** – *TAMUHack* Apr 2018
- Collaborated with team of 4 to develop a web app for American Airlines redefining the pre-boarding experience
  - Designed and built web app using AA's Mock Engine API and MongoDB (**JavaScript**)
  - **3<sup>rd</sup> Place American Airlines Award** at TAMUHack
- 1Trackr** – *Personal Project* Jan 2016
- Launched app for high school students to track and log their community service hours (**Swift**)
  - Built iOS app with integrated Parse backend to securely store all data in Cloud database
  - Gained 500+ student users in first month, received Special Congressional Award from **US Congress**

## HONORS

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- 1<sup>st</sup> Place Microsoft Award** – HackTX 2018
- 1<sup>st</sup> Place Cisco Award** – HackUTD 2018
- 3<sup>rd</sup> Place American Airline's Award** – TAMUHack 2018
- CARTO Award – American Airline's Invitational Hackathon 2018
- Piazza Winter Tech Tour Finalist (10 students selected out of 10,000+ applicants) 2017
- Special Congressional Award for 1Trackr 2016
- President's Volunteer Service Award, Gold Level 2016
- National Merit Commended Scholar 2016
- 1<sup>st</sup> Place – Youth Service Leadership Award 2016