JERRY HUANG

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EDUCATION

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
- Technologies: Most comfortable with Java, Python; Comfortable with C, JavaScript, Swift; Exposure to Ruby

EXPERIENCE

Software Engineering Intern – *Hiretual;* Palo Alto, CA   May – Aug 2018
- Developed several web crawlers to aggregate and parse nearly 200 million datasets (**Python**)
- Built data processing modules using **Spark** with **map-reduce** and **Lambda** functions
- Engineered full-stack web app with **Flask** to manage web crawlers, data aggregation and data processing
- Built and deployed API's 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 updates

Software Engineering Intern – *Aplomb Inc.;* Austin, TX   Nov – Dec 2017
- Collaborated with engineering team to develop feature updates for AI interview prep app
- Rewrote API backend with new filler word detection feature with 90% accuracy using IBM Watson (**Ruby, JavaScript**)
- Redesigned, debugged, and developed a new user-to-bot chat flow (**Swift**)

RESEARCH

Artificial Neural Networks   Sep 2016 – Apr 2017
- Worked under Prof. Steve Mann to research and develop a simple neural network (**Python**)
- Researched linear separability, decision boundaries, forward/back propagation, and perceptron learning

PROJECTS

Code for Good Challenge – *JP Morgan Chase & Co.*   Oct 2018
- Invited, and registered, to collaborate with JP Morgan engineers to develop technological solutions for non-profits

hangtime.io – *HackUTD, Co-Founder*   Jan 2018 – Present
- Social event platform allowing college students to create and discover popular nearby events, parties, and concerts
- Built full-stack iOS app with integrated Firebase database and live group messaging features (**Swift**)
- Official app launch at UT Austin – Fall 2018
- **1**st **Best Cisco Hack** 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**rd **Best American Airlines Hack** at TAMUHack, invited to AA Employee Hackathon

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

Carto Sponsor Award – (American Airline's Invitational Hackathon)	2018
1st **Place –** Best Cisco Hack (HackUTD)	2018
3rd **Place** – Best American Airline's Hack (TAMUHack)	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
1st Place – Youth Service Leadership Award	2016