

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
 - *Bachelor Of Science in **Computer Science**, Minor in **Mathematics*** Aug. 2015 – May. 2019
 - **Honors Program** Participant
 - GPA: **3.91**

WORKING EXPERIENCE

- **Desentric Databases** Atlanta, GA
 - *CTO, Co-Founder* May 2018 - Present
 - **Collect data for autonomous vehicle:**
 - * Labeled ground truth car images and used MATLAB to train models.
 - * Hosted Website on Amazon Web Services (EC2)
 - * Set up MySQL database to collect customer feedback
 - * Conducted customer discovery interviews on over 400 people
 - **Develop GUI of pipeline for genomic researchers:**
 - * Implemented Scientific Workflow System with HTML, CSS and JavaScript
 - * Incorporating Google's Deep Variant to improve accuracy for pre-processing DNA data
- **Georgia Institute of Technology** Atlanta, GA
 - *Undergraduate Teaching Assistant* Aug 2017 - Present
 - **CS 3510 (Design and Analysis of Algorithms) Fall 17 - Peng, Spring 18 - Vigoda and Tetali, CS 4510 (Automata and Complexity) Fall 18 - Peng:**
 - * Created and graded homework and test questions
 - * Hosted weekly office hour and managed Piazza (online Q&A) discussions

RESEARCH PROJECTS

- **Data-Driven Education:** Aug 2018 - Present
 - Applying Principal Component Analysis, Decision Tree, Logistic Regression and Random Forest in order to predict Georgia Tech students' performance
 - Using Tableau to visualize the model of students' performance
 - Suggesting intervention for struggled students to improve their learning
- **Graph Visualization Libraries Comparison:** Aug 2017 - May 2018
 - Compared iGraph, SNAP and NetworkX, 3 graph visualization libraries in C++, Python and R
 - Wrote a thesis to fulfill **Research Option** for Bachelor of Science in Computer Science degree
- **Engineering for Social Innovation:** Aug 2016 - Dec 2016
 - Used MATLAB to analyze air condition based on output of circuits
- **Humor Genome Project:** Jan 2016 - May 2016
 - Analyzed joker.com database to identify correlations between different human characters genres of humor
 - Applied supervised learning algorithms to predict jokes people like

PROGRAMMING SKILLS

- **Languages:** Java, Python, HTML, CSS, MATLAB, C, C++, SQL, React Native
- **Software and Packages:** scikit-learn, scikit-image, PyTorch, Weka

AWARD

- **InVenture Prize Prototype Award** for Desentric Databases (Fall 17) with William Xia