

## ZIHAN TAN

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### EDUCATION

**Cornell Tech**, New York, NY Anticipated May 2022  
**Jacobs Technion-Cornell Dual Master of Science Degrees – Connective Media Concentration** | GPA: 3.86  
Merit Scholarship

**Rutgers University**, New Brunswick, NJ May 2020  
**Bachelor of Science in Computer Science** | GPA: 3.395  
**Relevant Coursework:** Data Science, Internet Technology, Artificial Intelligence, Information and Data Management  
**Honors/Awards:** Dean's List 4 semesters

### TECHNICAL SKILLS

**Coding Language:** Java, Python, SQL, HTML, Flask, JavaScript, JSP, R, C  
**Operating Systems:** Mac OS, Windows  
**Other Tools:** LaTeX, Amazon Web Services

### PROJECTS

**Brain Interpreter**, (Flask, Python) *Group Member* Summer 2021  
Designed and developed a webpage which helps to render brain images

- Implemented the frontend webpage for the website

**Tuition GUI Manager and Android APP**, (Java) *Group Leader* Spring 2020  
Developed a GUI with JavaFX and an Android APP which allows to manage student information and calculate the tuition due

- Designed the GUI and Android APP Interface
- Implemented the backend controller for the GUI and Android APP Interface

**Diseases and Economics Analysis**, (R) *Independent Project* Summer 2019  
Used nationwide survey data to analyze and predict Diabetes

- Built and compiled a 3-layer artificial neural network and a logistic regression for binary classification
- Trained the neural network and recorded the performance in AUCROC
- Adjusted hyperparameter according to AUCROC on the validation set

**Face and Digit Classification**, (Python) *Group Leader* Spring 2019  
Used Naive Bayes, Perceptron, and Mira algorithm to identify values of handwritten digits and faces in photos

- Trained the algorithms using 10%, 20%, ..., 100% of the total training dataset
- Recorded the training time, prediction error and standard deviation
- Achieved 88% accuracy for facial detection and 82% accuracy for digit classification

**Auction Database Programming Project**, (Java, MySQL, HTML, JSP) *Group Leader* Spring 2019  
Established an online auction website

- Created a MySQL database using RDS for the online auction system
- Connected the database to the HTML website using JSP
- Developed functionalities such as search, modify, view, alert, auto bidding and manual bidding

### EXPERIENCE

**Digital China**, *Summer Intern*, Chongqing, China June 2019-August 2019

- Participated in Huawei fabric-insight project as a team member
- Studied the framework of database and algorithms implemented in the framework
- Improved overall client experience by raising application efficiency

### EXTRACURRICULAR ACTIVITIES

**Rutgers Chinese Student & Scholar Association**, *Member, Planning and Execution Department* September 2017-December 2018

- Assisted in the logistics and arrangements of various activities including Singing Contest and Spring Festival Gala
- Planned the procedures of the university's networking activities, prepared the venues and promoted the events
- Contacted local churches and drivers to pick up international freshmen at the airport