

Bingyao Wang

bingyaowang.nj@gmail.com | 404-942-8967 | Github: [Benny](#)
301 10th St NW, Atlanta, GA

EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science; GPA: 3.97/4.0

Atlanta, GA

Expected May 2021

Threads: Information Internetworks & Intelligence

SKILLS

- **Languages:** Java, Python, C++, Scala, SQL, Swift, JavaScript (ES6+)
- **Web/Database:** React, Redux, Node/Express, Play, HTML, CSS, MySQL, MongoDB
- **Mobile:** IOS, Android, React Native
- **Data Science:** Numpy, Pandas, Matplotlib, Scikit-Learn, Keras, Prophet

EXPERIENCE

NARI Technical Research Center

Intern Researcher

Nanjing, China

Summer 2019

- Utilized **LSTM** and NLP models including **Transformer** on different scales of time-series forecasting
- Improved the accuracy *Electric Power Load Forecasting* with the Facebook **Prophet** model

Georgia Institute of Technology

Undergraduate Research Assistant

Atlanta, GA

Jan 2019 - Present

- Member of the **Hparch Group** and focused on real-time recognition using collaborative IoT devices
- Fine-tuned **MobileNet** to classify and detect recyclable trash with current 65% validation accuracy

Bits of Good

Full Stack Developer

Atlanta, GA

Jan 2019 - Present

- Currently working on an application for a local nonprofit *drawchange* to manage their volunteers and events
- Created web applications with **React**, **Express** and **MongoDB**

PROJECTS

- **Risk:** A multi-user online board game
 - Created with Scala **Play** framework and **Javascript** to implement the classic Risk board game
 - Featured with distributed players by using **WebSocket** and responsive web interface by using **Bootstrap**
- **FindTheSide:** An augmented reality IOS game
 - Developed on **ARKit** module with dynamic AR nodes to help users keep fit built with **Xcode**
 - Built within 36 hours in a team of 4 during the Hackathon with **Swift** language and created demos
- **Biking:** An Android app on bicycle routes
 - Provided users access to mark biking lanes as well as special points with **BaiduMap** API
 - Enabled users to store their data on their devices, and also upload them to the server.
- **Carrier:** A ML model for preference prediction
 - Product of T-Mobile Hackathon in order to help predict users' choice of mobile carriers
 - Incorporated data selecting, data cleaning, machine learning with **Numpy**, **Pandas** and **Scikit-Learn**

SELECTED PUBLICATIONS

Characterizing the Execution of Deep Neural Networks on Collaborative Robots and Edge Devices

PEARC'19

Machine Learning and Artificial Intelligence Track

Understanding the Power Consumption of Executing Deep Neural Networks on a Distributed Robot System

LSAF'19

Algorithms and Architectures

LEADERSHIP

Bits of Good

Operations Team

Atlanta, GA

Jan 2019 - Present

- Connected our group with Georgia Tech College of Computing, communicated with local nonprofits to provide help from Georgia Tech and held events including Project Day and Demo Day