

YUEYING YANG

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EDUCATION

Duke University, Pratt School of Engineering

Aug. 2019 – Dec. 2020 (Expected)

Master of Engineering, Electrical & Computer Engineering

- **GPA (Cumulative):** 4.0 / 4.0; ECE Merit Scholarship
- **Coursework:** Systems Programming, Engineering Robust Server Software, Theory/practice of Algorithm

Communication University of China (CUC)

Sept. 2015 – July 2019

Bachelor of Science, Electronic Information Engineering

- **GPA (Cumulative):** 3.8 / 4.0 (Top 3%); First-Prize Scholarship of CUC (Top 3%) in 2016, 2017 and 2018

SKILLS

Experienced: C, C++, Java, JavaScript, Python

Full Stack Development: MVC, MVVM, Vue, React, Node, .NET, MongoDB, MySQL

TECHNICAL EXPERIENCE

IQIYI, Inc. (NASDAQ: IQ)

Beijing, China

Software Engineering Intern

Aug. 2018 – Dec. 2018

- **Technology Stack:** Grails (Full stack framework using Groovy), MySQL
- Added data visualization and manipulation features into the company's in-house tool, reducing the throughput of over 100 employees by combining data sources on product demand
- Designed database schemas to represent relation models based on specifications and developed RESTful API and a friendly interface to query and manipulate data, simplifying the daily workflow of employees
- Collaborated effectively across departments - product and UI design team, data infrastructure department, resulting in a product conformed with business requirements

Engineering Research Center of the Digital Audio & Video

Beijing, China

Web-App Development Engineering Intern

April 2018 - Dec. 2018

- **Technology Stack:** React, Node, MongoDB
- Developed a configurable data monitoring Web-App in IoT setting by time-series data display, historic data analysis and monitoring sites customized configurations, leading better manage the data collected by hardware sensors
- Handled file processing, time-series data query and visualization functionalities by the communication between the web browser and database using RESTful API
- Reduced the overhead of requesting statistic data by pre-aggregating raw data in time-series model

SOFTWARE ENGINEERING PROJECTS

Ride Sharing Web App – Mini Uber

Durham, NC

Engineering Robust Server Software, Team project

Jan. 2020

- **Technology Stack:** Django, PostgreSQL
- Implemented workflow based on the business requirement by designing database models and RESTful API

Mini Command Shell

Durham, NC

Programming, Data Structure & Algorithms in C++, Individual project

Dec. 2019

- **Technology Stack:** C++, Object-oriented Design, Emacs, Valgrind, GDB, Linux
- Parsed input string into functional object and utilized system call like fork, dup2 and pipe to implement functionality
- Verified the program by creating board covered test cases, and passed 95% test cases provided by instructors

LEADERSHIP

Network for Voluntary Services

Nairobi, Kenya

Volunteer: Childcare

Feb. 2019

- Taught basic English and math with children between the ages of one and six years old

Coding Girls Club

Beijing, China

Volunteer: Event Coordinator and Social Media Operation

July 2018 - Aug. 2018

- Assisted in the one-day workshop in college for 150 women students, leading them to get started to programming