Jingjing Ye
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Education

M.S. Computer Science *August 2021 - December 2022*
Georgia Institute of Technology, Atlanta GA

B.Eng. Electronic Information Engineering *September 2015 - June 2019*
ShanghaiTech University, Shanghai, China

- **Core Courses:** Data Structures, Embedding System, FPGA, Computer Graphics, Artificial Intelligence, Software Engineering, Database and Data Mining, Machine learning, Computer Vision, Data Visualization, Natural Language Processing, Mobile Apps & Web Svcs

Working Experience

Microsoft — Software Engineer Intern — Redmond *May 2022 - August 2022*

- Re-architected text classification part of DCS (Data classification server) from Azure cluster to Kubernetes.

- Added judgement for different environments and implemented it under docker.

- Designed and completed load balance through DNS and Kubernetes load balancer.

Microsoft — Software Engineer & DevOps Engineer — Shanghai *January 2021 - August 2021*
Services for Microsoft Docs with C # and .NET Core .NET Framework

- Took own of Notification Service which sent email and event for other services. (**Azure, K8S, Swagger**).
- Implemented **Service to Service authentication and authorization**.(**RBAC** –Role-based access control)
- Realized **MSI**(Managed identities) for Azure resources like **CosmosDB, Redis, Service Bus, and EventHub**.

General Motors — Software Engineer — Shanghai *July 2019 - December 2020*
Vehicle sales platform with Java

- Developed backend for the sales platform used by dealers with **Java, Spring Boot, Maven, Mybatis**.
- Elaborated the frontend for the sales platform with **typescript and Angular**.
- Upgraded the dealer platform to **Angular 8.0**.

Yoke Intelligence — Software Engineer Intern — Shanghai *December 2018 - May 2019*
Intelligent Monitoring system for COMAC (Commercial Aircraft Corporation of China) with Python

- Built the backend system to monitor realtime Heat map and workers' attendance with **Django, Mysql**.
- Deployed and managed the service on COMAC factory's server with **Docker**.

Work and Research Project

The Social Dynamics and Well-Being (SocWeB) Lab at Georgia Tech, directed by Dr. Munmun De Choudhury — USA *Jan 2022 - June 2022*
Predict worker's performance and stress level through the health data with Nokia Bell Lab.

- Drew data standard distribution and used algorithm provided by Nokia Bell Lab to assign data to four Quadrants.
- Calculated the feature correlation through **p-value** and Implemented different ML ways to predict future stress and performance.

FashionDeepBlue China, directed by Yilu Zhou, Agnes Kubia — Shanghai *June 2019 - April 2020*
Tagging system online for cloth recognition (Typescript, Python, Django, Postgresql)

- Initiated backend with **Django**, **Postgres** as database, where pic information and tagging coordinate were stored.
- Designed and implemented UI for website using **Typescript** to allow area selection on clothes.

The Color AI Lab, USA, directed by Yilu ZHOU — Shanghai *August 2018 - January 2019*
Extracted the main color of garment from runway pictures, predicted the future trend of color

- Programmed the Color clustering algorithm: **K means ++** .
- Designed Skin color removal algorithm from 'body scratch'.
- Result: Released in trend analysis report of 2018 Shanghai fashion week (**Xinhua News Agency**).

Publications

- Finding Real-life Doppelgangers on Campus with MTCNN and CNN-based Face Recognition; Jingjing YE, Yilu ZHO
- Content: Implemented MTCNN do the face recognition; Trained a face detection model with Softmax and Center Loss as loss function.; Extracted feature and got similarity of faces. Dataset: LFW. Frame: CAFFE.

Awards and Honors

Outstanding Individual of Annual Undergraduate Industry Practice , ShanghaiTech University *2017*

Honorable Mention, ICM(Interdisciplinary Contest In modeling) , Global *2017 2018*

Skills

Programming Languages: Java, C#, Python, SQL, C++, Matlab, TypeScript, JavaScript, Android development

Tool-kits/ Framework: Caffe, Docker, Azure, Maven, Mybatis, KERAS, PyTorch, .NET, Spring Boot, Angular, Vue, Django, Kubernetes, Kubctl