

Hanye (Haya) Wang

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EDUCATION

University of Pennsylvania

Master of Computer & Information Technology

Cumulative GPA: 4.0/4.0

Relevant Courses: Software Development, Computer Systems, Data Structures & Algorithms, Software Design, Database

Philadelphia, PA

Sep. 2020 - May. 2022

Zhejiang University

Bachelor of Law in International Politics

Cumulative GPA: 3.92/4.00 Excellent Graduate Scholarship; Research Assistant; Authored Publication

Hangzhou, China

Sep. 2016 – Jun. 2020

SKILLS

Programming Language: Java, C/C++, C#, Python, JavaScript, TypeScript, HTML5/CSS3, SQL, KQL

Databases & Tools: Scope, Kusto, MySQL, PostgreSQL, MongoDB (Mongoose), Git, Azure DevOps, Azure Data Explorer

Frameworks & Others: Node, Express, React, Angular, Ajax, Bootstrap, jQuery, .NET, Junit/PyTest

EXPERIENCE

Microsoft

Suzhou, China

Software Engineer Intern -O365 Active Directory (AD) Team

Mar. 2021 – Aug. 2021

- Improved a refresher logging system, based on **C#** and **.NET**, recording hit & miss and updates in UIT cache and database of Outlook Mailbox system, outputting millions of message entries per day, realizing real-time data monitoring, greatly increase observability of the Active Directory Domain Service.
- Developed scripts processing data, including conversion, cleansing, filtering and visualization, to extract insights for data anomaly detection and problem analysis, based on **Scope** and **Kusto** in Azure Data Explorer;
- Implemented pipelines using cooking script and Kusto scripts on **Azure platform**, converting structured cosmos data from synchronous log data from over 350,000 Microsoft servers around world.
- Optimized the performance of UIT, shortened UIT refresher time to solve the timeout problem on over 200 machines, removed thousands of error messages per machine per day, which slashing annual storage cost.
- Worked on a CI/CD pipeline using **Azure DevOps**, **Git**, **Azure Repo** and delivering e2e regression test on **Azure Test Plan**.

Autism Telemedicine Company

Philadelphia, PA

Software Engineer Intern

Dec. 2020 – Apr. 2021

- Refactored and maintained a RESTful web service for medical services, attracting over 1000 monthly active unique visitors and 2000 paid users, using **Node.js**, **React.js**, **PostgreSQL** and **MongoDB**, deployed on **Heroku**.
- Optimized and beautified the ADHD Test portals with **TypeScript** and **Bootstrap**, resulting in 35% decrease in response time and attracting over 200 subscribers.
- To improve the maintainability of the code base, coordinated with the manager, optimized the interactions and lowered the coupling between frontend and backend, using **AngularJS** framework.

SELECTED PROJECTS

Haolang Information Station (Fan Club Application)

Jul. 2021

- Established an information releasing and fans interaction platform supporting functions, such as multi-media resource sharing, organized activities and recruitment information releasing, and online shops based on independent credit system. The application become the official information panel that attracts over ten thousand active users daily, increases fan stickiness.
- Launched and led a team to cooperate with a big fan official organization, based on the specific needs, using **WXML**, **WXSS** and **JavaScript** to customize the application front-end interface and using **Node.js** as backend and part of **Serverless**.
- Implemented (>20) the web pages all supporting Ajax refreshing using **jQuery**, and beautified them with **Bootstrap**.

Penn Hackathon (UPenn to-do list) [\[URL\]](#)

Jan. 2021

- Built a full-stack web application helping Penn students to make their own calendar, supporting users to login and register, to-do lists management for selected days, academic calendar, important school websites and map import. Specified to-do lists, academic calendars, Penn quick links and campus routing;
- Teamed up with peers to excavating Penn students' needs via interviews, based on which finalizing the UI design;
- Established a back-end service with **Node.js**, **Express.js** and **MongoDB**, imported data and cleaned the data through **Python**.
- Implemented front-end website design by **Bootstrap**, **EJS** achieved interactive functions by **jQuery**, and finished data asynchronous display by **Ajax** via **axios.js**, slashing the response time.