

Xinghao (Jacob) Huang

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WORK EXPERIENCE

BrightEdge | Cleveland, OH | Full Stack Engineer/Software Engineer (Jun 2019 - Present)

Autopilot Monitor MicroService

- Designed and implemented Autopilot Monitor MicroService to crawl and analyze thousands of customers' pages with **Google Cloud Run, Cloud SQL, PubSub, Docker, Node.js, Express.js, TypeScript, React** and **Puppeteer**.
- Integrated Autopilot Monitor MicroService with BrightEdge CommandConsole Service, BrightEdge Platform, and Salesforce.

Yoda IS/PA/MIS/Autopilot Dashboard

- Led, designed and implemented Yoda IS, PA, MIS, and Autopilot Dashboard projects for Autopilot integration workflow by using **React 16.8+**, **Django**, **Google Cloud**, and **MariaDB**.

Autopilot V2

- Designed and implemented the Autopilot V2 with **Microservice Architecture on Google Cloud**.
- Implement SDK Generator and Publisher Microservices by using **Node.js, Express.js, Flask, Docker, Google Storage, and Cloud Run**.
- Developed and Maintained Autopilot SDKs on different platforms including **JavaScript, Java, PHP, .NET, WordPress, and Magento**; integration JS SDK into SPA.
- Designed and developed Autopilot Canary Deployment Service.

University of Pittsburgh | Pittsburgh, PA | Full Stack Engineer/Data Analyst (Jan 2018 - May 2019)

Sleep Diary

- Developed a screening website to automatically diagnose participants powered by machine learning algorithms, sleep disorder questionnaire data analytics, and web technologies.
- Researched & built machine learning classifiers for sleep disorder diagnosis with **Pandas, NumPy**, and **scikit-learn**.
- Implemented and embedded the machine learning classifier into the screening website using **Angular 6, Angular Material, Flask, PostgreSQL**, and **Docker**.

PITT Usability Questionnaire Web Development

- Developed a website that provided users and administrators with creating, sharing, managing, and downloading surveys.
- Worked on Front-end by using **React** and **Redux**, and styled the pages by **Ant Design**.
- Provided a **RESTful API** using **Node.js, Express**, and **MongoDB**; integrated **Python** and **Node.js** to create SPSS and CSV files to download survey data.
- Created and deployed docker images using **Docker** and **Rancher Labs**.

AWARDS

BrightEdge (Jun 2019 - Present)

- **Star of the Month** in August, 2020
Led Yoda IS/MIS/PA projects.
- **BrightEdge Hackathon V9 CHAMPION** (1/15 teams), 2019
Proposed the Internal Page Networking concept and implemented the BrightEdge Page Networking Dashboard by using **D3.js, Angular 6** and **Node.js**.

University of Pittsburgh (Jan 2018 - May 2019)

- JARVIS - IBM INNOVATION - **BLUEHACK CHAMPION**, 2018
Utilized state-of-the-art **CV/NLP/AI/WEB** technology to control the computer with face+voice for people with disabilities.

TECHNICAL SKILLS

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- Programming Languages: Java, Python, HTML, CSS/Sass, JavaScript, TypeScript, PHP, SQL, C#, MATLAB
 - Frameworks/Libraries: Docker, Kubernetes, React, Redux, Django, Ant Design, Express.js, Angular 2+, Angular Material, Flask, Bootstrap, Spring MVC, Hibernate, .NET, jQuery, gRPC
 - Databases: MySQL, MariaDB, MongoDB, PostgreSQL, neo4j, Redis

EDUCATION

University of Pittsburgh, PA, US (Sep 2017 - May 2019)

Master of Science in Information Science (GPA: 3.75)