

# Wesley Wei

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## EDUCATION:

### Columbia University

*Master of Science in Computer Science*

New York, NY

Sep 2021 - Dec 2022

Courses: Advanced Software Engineering, Advanced Web Design Studio, Analysis of Algorithms, Operating Systems I, Cloud Computing & Big Data, Computer Networks, Engineering SaaS, AI

### University of Washington

*Bachelor of Science in Informatics*

Seattle, WA

Sep 2015 - Jun 2019

Courses: Algorithms, Data Structures, Client/Server Web Development, C#, Java, JavaScript, UX/UI Design

Honors: Annual Dean's List (Sep 2016 - Jun 2019)

## SKILLS & CERTIFICATES:

Programming: JavaScript, TypeScript, HTML, CSS, Apex, Java, C, Linux, C#, Python, Ruby, Sass, Kotlin, SQL

Databases: MongoDB, DynamoDB, Firebase DB, Salesforce DB (SOQL), AWS RDS

Frameworks/Libraries: React, Aura, LWC, Node.js, Redux, MobX, Flask, Ruby on Rails

Other Tools: AWS, Azure DevOps, GitHub, Jira, Bitbucket, Git, Figma, Firebase, Heroku, Vim

Languages: Proficient Chinese/Mandarin and basic knowledge of Korean

Certificates: Master Object Oriented Design in Java (Mar 2021), MERN Stack Front To Back: Full Stack React, Redux & Node.js (Dec 2019)

## PROFESSIONAL EXPERIENCE:

### SAP Concur

Bellevue, WA

*iXP Software Design Engineer Intern (Skills: Bash, AWS, GCP, Docker, Java)*

Jun 2022 - Aug 2022

- Automated test artifact publishing using AWS CodeBuild pipeline for multiteam wide visibility
- Published Java project (Maven) test artifacts in Amazon S3 and GCP buckets with the help of machine agnostic Docker environments

*iXP Software Developer Intern (Skills: Node.js, Jade, and Agile)*

Jun 2018 - Dec 2018

- Constructed a Node Application GUI dashboard for Concur's database team to manage databases
- Collaborated and problem solved with other teams to improve dashboard monitoring capabilities and efficiency of the DBA team
- Revamped the dashboard to enable DevOps, notice critical incidents faster, and support the AWS transition

### Nintex

Irvine, CA

*Software Engineer (Skills: React, TypeScript, MobX, JavaScript, CSS, Salesforce stack)*

Jul 2019 - Jul 2021

- Developed user critical frontend features promptly for DocGen (Salesforce app) facilitating document generation automation despite small developer team of two
- Ideated and contributed to transition from legacy app to React client application simplifying UI robotic automation interaction and improving application scalability
- Initiated CI/CD Azure pipeline processes for transition to Azure DevOps and optimized Node scripting

## PROJECT EXPERIENCE:

*Photo Album Search and Indexing (Tech stack: HTML, CSS, JavaScript, Python, AWS)*

Mar 2022

- Developed a photo album web application that is searchable by natural language utilizing Amazon Lex
- Deployed Amazon API Gateway to communicate with the frontend with backend AWS Lambda functions
- User uploaded photos get indexed by Elasticsearch using key identifiers from Rekognition and stored in a S3 bucket which can later be searched using Rekognition tags to query for photos on the frontend

*My Visual Piano (Tech stack: C#, XAML, HTML, CSS, JavaScript)*

Jan 2019 - Jun 2019

- Designed and programmed a UWP application enabling piano performance with user's eyes
- Collaborated/sponsorship with Microsoft Research to use the Window's Gaze Interaction Library and Tobii Eye tracker to produce the first ever real time eye gazing piano musical app
- Won best in class out of 65 projects for the University of Washington Informatics Senior Capstone project

*Search Engine (Tech stack: C#, HTML, CSS, JavaScript, and Azure)*

Feb 2018 - Mar 2018

- Built a search engine displaying query results from crawled CNN data; deployed using Microsoft Azure
- Created a dashboard to monitor web scraping progress of CNN (URL's extracted, CPU usage, etc.)
- Enhanced searching by adding a query suggestion service demonstrating OOP practices of utilizing a trie data structure to store Wikipedia titles
- Scraped data is stored in Azure table and displayed client-side through web services using AJAX

## LEADERSHIP:

### SUDO (Student User Development Organization)

Seattle, WA

*Director of IT*

Apr 2018 - Jun 2019

- Promoted and helped students learn about relevant technology fields
- Coordinated IT related events (managing SUDO's website, creating coding events, etc.)