

Yichen Wei

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EDUCATION

Tufts University

Medford, MA

Bachelor of Science in Computer Science. GPA: 3.98

*Aug. 2018 – Dec. 2022**

* Note: I took a gap semester and interned at a startup because of COVID-19, so I plan to graduate in December.

SKILLS

Languages: Python, Javascript/Typescript, CSS, C/C++, HTML, SQL, PHP, Java.

Frameworks: Django, Django Rest Framework, Flask, React, React Native, Next.js, Node.js, Bootstrap.

Softwares/Tools: Nginx, Linux Shell, Docker, Git, eslint, serverless.

EXPERIENCE

Duyun Online Consulting Co., Ltd

Shenzhen, China

Software Engineer

Aug. 2020 - Present

- Lead a 5 people team that builds a single-page app that streamlines the process of starting a company, using **React / Typescript** as frontend and **Django Rest Framework** as backend.
- Implement appointment management, wage spreadsheets, and automatic validation for forms. Maintain and write **class-based components and functional React components**, including a searchable nested select element, spreadsheets, upload boxes, and other custom form elements.
- Build a marketing website from scratch using **Next.js**.
- Adapt both the app and the marketing web page to mobile devices using **rem** and media queries.
- Deploy the app using **Serverless** to Tencent's Cloud Functions, similar to AWS Lambda. Optimize the app by reducing API calls, splitting one backend into small services and reducing the size of dependencies. The cold start time is reduced from 8 seconds to 2 seconds.

Tufts University

Medford, MA

Teaching Assistant

Sep.2019 - Dec.2019, Sep.2020 - Dec.2020

- **COMP 15 - Data structures:** Held office hours every week, graded homeworks, answered questions on Piazza.
- **EN 1 - Intro to Computational Design:** Held office hours every week. Graded homework.

PROJECTS

More Than Words (2020 - 2021): Built a mobile checklist app based on Expo and React Native to help vulnerable youth track their life progress, in collaboration with Boston non-profit More Than Words.

<https://github.com/JumboCode/MoreThanWords>

- Built a login page using **Auth0's OAuth** and **Expo's Auth Session** module.
- Built a starred items list view using Expo, and its backend endpoint using **Flask** and **Salesforce API**.
- Deployed and published apps to the App Store and Google Play.

SnapSnacs (HackDartmouth 2019): Built the Python/Django backend of an iOS app and which motivates users to be aware of what they eat. <https://devpost.com/software/snapsnacs>

- Used pytesseract as OCR library to read the nutrition table of packaged food.
- Used nutrition API and Google Cloud's object detection API to recognize and fetch the nutrition information of an object.

Stronger Together (HackMIT 2018): Built an Android App which connects people who want to help people in need during disasters like hurricane using Java and Django. Won Finalist and Explore New Territory Prize

<https://devpost.com/software/stronger-together>