Nathan Yik

Software Engineer / Software Developer

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Education

University of California San Diego   *September 2018 – June 2021*

Bachelor of Science: Mathematics - Computer Science, GPA: 3.60

- **Relevant coursework:** Advanced Data Structures and Algorithms, Operating Systems, Software Engineering

Projects

Developed a Company Portal   **Demo**

- Collaborated with 10 team members in an Agile environment to develop a company portal for **100+ employees** at Royal Emerald Pharmaceuticals
- Implemented user authentication, hours logging, employee request forms with **Vue** and **Sass**
- Stored employee data and company resources using **MySQL** database and **Express** backend
- Held bi-weekly standup meetings to discuss user stories and requirements, along with bug fixing and testing

Built Taskathon Go!   **Demo**

- Collaborated with 5 team members to create an online, gamified task tracking application
- Contributed to frontend development of the app using **React** and **Material-UI**, implemented several graphical charts and graphs designed to track users' progress
- Integrated **Mapbox API** to show tasks near a user's location, complete with map markers, points, and distances

Designed a Personal Portfolio Website   **Demo** | **GitHub**

- Built an online portfolio hosted on GitHub Pages for showcasing my projects and professional profile
- Implemented a responsive, mobile-friendly designed with media queries using **React** and **Sass**
- Incorporated interactive features such as sidebar functionality, fade transitions, and pop-up modals

Created a Job Application Tracker   **Demo** | **GitHub**

- Constructed a CRUD application to track my job searching data, including number of job applications, dates applied/replied, and application status.
- Implemented categorical sorting features and pop-up modals for editing using **React** and **Sass**
- Stored job application data using **PostgreSQL** database and **Express** backend

Work Experience

Music Tutor   *July 2020 - Present*

- Curated musical curriculum for children ages 8 - 12 to become well-rounded musicians, proficient in both music theory and performance
- Composed and arranged music hand-tailored towards each student's individual skill level

Skills

- **Languages:** Java, C, C++, HTML, CSS, JavaScript, SQL
- **Front-end:** React, Vue, Sass
- **Back-end:** MySQL, PostgreSQL, Express, Node.js
- **Tools:** Git, Unix, Vim