Yen-Kai Hsing (Daniel)

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Skills

JavaScript, React.js, Python, Java, Node.js, TypeScript, Web Development, Git

Education

Georgia Institute of Technology, *Computer Science* ⸻ 08/2018 – 05/2022
Atlanta, GA, USA

GPA: 3.89 **Courses:** Data Structures and Algorithms, Computing Org. and Programming

Awards

Google Code-in Grand Prize, *Google* ⸻ 01/2017
Grand Prize winner of Google's annual open source competition for high-school students with over 1.4k participants from 62 countries.

Work/Volunteer Experience

Senior Developer, *GT Bits of Good* ⸻ 08/2019 – present | Atlanta, GA
- In the process of iterating on the full-stack codebase for the volunteer management system using MongoDB, React, and Node.js.

Front-End Developer, *Perlin Network* ⸻ 01/2019 – 07/2019 | Hong Kong
- Rewrote web interface for interacting with nodes in the Perlin network using TypeScript, MobX, and React.
- Coordinated with backend programmers to create a WASM smart contract executor interface with custom parameters.

Google Code-in Mentor, *MetaBrainz Foundation, Google* ⸻ 10/2017 – 01/2018
- Formulated coding and documentation tasks related to the BookBrainz open-source JavaScript project for students to complete during the Google Code-in competition.
- Reviewed the task submissions of participants and provided feedback/suggestions.

Co-Founder, Front-End Developer, *EXLinc/EXLskills* ⸻ 11/2016 – 12/2017 | Hong Kong
- Influenced the vision of the company's educational platform
- Programmed the front-end of the first iteration of the elearning platform and online development environment using React.
- Planned and facilitated front-end architectural changes such as refactoring the codebase to use TypeScript and GraphQL.
- Coordinated with back-end developers on platform decisions and assigned tasks to other front-end developers.

Organisations

RoboJackets, *Member* ⸻ 08/2018 – 05/2019 | Atlanta, GA
Contributed to the organisation's admin web platform (written using Laravel/Vue.js) used for managing attendance, event signups, and other logistics.

Foo/Bar (HackClub Chapter at Chinese Int'l School), *Leader* ⸻ 01/2015 – 05/2018 | Hong Kong
Organized weekly workshops/presentations about web development and programming.

Projects

Hack-A-Thing Sifter Bot, *Industrial automation robot design competition* ⸻ 08/2019 – present
Responsible for programming TI-MSP432 microcontroller to coordinate actuators and sensors

submissionds, *made with Angular, MongoDB, and Node.js* ⸻ 2016
An online judge for Python code and work submission platform that I developed out of frustration from my high school's existing platform.