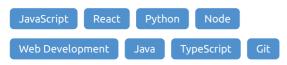# Yen-Kai Hsing (Daniel)
Full-stack JavaScript Developer, Student

hsing.daniel@gmail.com ✉
+1 (832) 245 6887 📱
linkedin.com/in/danielhsing in
github.com/Arthelon 

## TECHNICAL SKILLS

`JavaScript` `React` `Python` `Node` `Web Development` `Java` `TypeScript` `Git`

## VOLUNTEER / WORK EXPERIENCE

### Senior Developer
GT Bits of Good

*08/2019 – 05/18*                                      *Atlanta, GA*

Student Organization that connects with and develops tools for Atlanta non-profits to advance their social missions.

- 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 with custom parameters.

### Google Code-in Mentor
MetaBrainz Foundation Inc. 

*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 gave them feedback/suggestions.

### Co-founder, Front-end Web Developer
EXLhub 

*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 e-learning 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.

### Vice President, Information Technology
Support! Intl Foundation 

*05/2015 – 11/2017*                                      *Hong Kong*

- Programmed the first two iterations of the static website using Jekyll.
- Directed website migration to an established CMS. (Squarespace)
- Setup the organisation's website analytics, file storage provider, project management platform, mailboxes, and other cloud services.
- Collaborated with administrative and marketing teams on advertising and promotional material for events.

## EDUCATION

### B.Sc. in Computer Science
Georgia Institute of Technology

*08/2018 – 05/2022*                                      *Atlanta, GA*

- Data Structures & Algorithms (CS 1332)
- Intro Discrete Math (CS 2050)

## ACHIEVEMENTS

### Google Code-in Grand Prize Winner (11/2016 – 01/2017)
*Grand Prize winner of Google's annual open source competition for high-school students. Over 1.4k students from 62 countries completed real-world programming tasks for 17 invited organisations and 34 winners were chosen at the end.*

### Hackathons (02/2016 – 05/18) 
*Participated and won prizes in 7 out of 10 local hackathons. The most prominent award was the 1st place achievement at the 2016 Cathay Pacific Hackathon.*

### CISPTA IT Award in Memory of Christopher Berrisford (06/2017 – 06/2017)
*Annual award is given to a student who shows self-motivation, leadership, and excellent organisational skills related to information technology.*

## PERSONAL PROJECTS

### jeopardy (React, Firebase) 
- Developed a web-based "Jeopardy" emulation in React that comes with a custom category and question form editor.

### imgclip (Node.js) 
- Developed a Node.js command-line wrapper around the tesseract OCR that extracts text from images and copies it to the computer clipboard.

### spf-express (JavaScript) 
- Created an expressJS middleware function that intercepts and handles network requests to a web-server using Youtube's SPF framework.

### submission (Angular, MongoDB, Node.js) 
- Developed an experimental online judge and work submission platform for Python code.

## CLUBS / ORGANIZATIONS

### Hack-a-Thing (08/2019 – 05/18)
*Programmer in a competition to build a robot that automates the sorting/filtering of plugs*

### RoboJackets (08/2018 – 05/2019)
*Open-source contributor to the organisation's Laravel admin web platform.*

### MetaBrainz (11/2016 – 01/2018)
*Open-source contributor to the BookBrainz project and former Google Code-in mentor.*

### Foo/bar (HackClub) (01/2015 – 05/2018)
*Leader of high-school "HackClub" at Chinese International School HK. Organized weekly workshops/presentations about web development and programming.*

## INTERESTS / HOBBIES

`open source` `web development` `blockchain` `developer tools` `volleyball` `science fiction`