

**Portfolio:** [gernene.com](http://gernene.com)

**Email:** [gernenetan@gmail.com](mailto:gernenetan@gmail.com)

**Phone:** +65 8845 9938

**Skills/Technologies:** JavaScript (Vanilla, React, NodeJS, JQuery), Ruby on Rails, HTML, CSS, Python, Java, C++, PHP, MongoDB, SQL, GraphQL

## Education

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**National University of Singapore**  
**Computer Science (BComp)**  
2020-2023

- Programming Methodology II
- Discrete Structures

**University of Colorado Boulder**  
**Computer Science (BS)**  
Sophomore | GPA 3.94  
2019-2020

- Programming & Data Structures
- Computer Systems

## Work & Experience

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**Workiva: Connected Reporting**  
[workiva.com](http://workiva.com)

**Engineering Intern**  
Summer 2020

- Released link parser for support chat messages
- Built notifications for new support messages
- Helped refactor complex module code
- Kickstarted design system research by documenting common props in existing system vs Google's Material UI
- Utilized DartJS to contribute to multi-repo code base

**Halp: Conversational Support Ticketing**  
[halp.com](http://halp.com)

**Engineering Intern**  
May 2019 - March 2020

- Built Microsoft Teams integration & Teams-Jira integration
- Developed web UI for Halp's Answers product
- Built web editor that mimicks Slack's UX
- Fixed bugs & helped implement UI redesign
- Shipped features including ticket status color picker and custom bot messaging
- Utilized NodeJS, React, MongoDB, Postgresql, GraphQL, various APIs
- Created graphics/branding and wrote technical content

**DocForge: Documentation Tool**  
[docforge.dev](http://docforge.dev)

**Cofounder & Design Lead**  
May 2019 - March 2020

- Winner and audience choice - Silicon Flatirons Startup Summer Pitch Night 2019 (~5k funding)
- 2nd place - CU Boulder's New Venture Challenge pitch contest (~30k funding)
- Built and iterated on pitch demo
- Designed and implemented product web UI
- Utilized NodeJS, React

## Fairview Web Team

[fairviewhs.org](http://fairviewhs.org)

## Co-Leader & Web Master

2017-2019

- Led top-down responsive redesign and content restructure
- Supported ~40 000 users and 550 000+ pageviews per month
- Helped develop and maintain web app
- Utilized Ruby on Rails, Postgresql
- Built NodeJS + React Silent Auction web app

## Freelance Work & Projects

- **Sarea:** Digital business card app demo/sandbox (React)
- **Jelly-Do:** Jelly-themed to-do list app (NodeJS + React)
- **Journal Supplies Co:** Ecommerce web app for stationery enterprise (NodeJS)
- **Operation Give Back:** Volunteer match site for students (Ruby on Rails)
- **DDCC:** Tech club-themed visual novel that responds to changes players make to actual game files (Python)
- **Solisles:** Fantasy virtual pet site (PHP)

## Additional Skills & Interests

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- Digital and traditional art, graphic design
- Writing (technical content and fiction)
- Global academic and work experience