 / kewbish
 / emilie-ma-kewbish

Based in Vancouver BC,
Canada.
kewbish@gmail.com

Emilie Ma

Education

2021-   *University of British Columbia* ◦ *Current*

- Pursuing Honours Computer Science in the Faculty of Science.
- On the Dean's Honour List and recipient of the Science Scholar award.
- Webmaster at the Computer Science Student Society and web designer at Maple Bacon (UBCCTF).

Experience

2022   *Repl.it Frontend Infrastructure (Workspace/IDE) Intern*

- Maintained GitHub integration, including imports to Repl.it and Git plugin.
- Ported GitHub import flow to Nix, cutting loading times in half and making it 2x faster than leading market competitors (GitHub Codespaces, CodeSandBox).
- Implemented .replit configuration editor, increasing discovery to thousands of users.

2021   *Summer Research School Participant*

- A rigorous math + computation program for select high-school researchers hosted by the HSSIMI.
- Under Ms. Pressiana Marinova, conducted analysis on primality testing, probabilistic AKS, and other cryptographic applications - paper available here.

2020-   *Liquid Galaxy Contributor, Mentor* ◦ *Current*

- Developing and maintaining core software (main visualization library, extension API).
- In summer 2020 and 2021, acted as a mentor for several Google Summer of Code students, providing feedback, testing code, and leading development meetings.

Selected Awards

2021   *Schulich Leader Scholarship Recipient* ◦ *UBC*

- Canada's most prestigious STEM scholarship, awarded for excellence in entrepreneurship and technology, valued at $80,000 CAD.
- Selected out of 1500+ nominees nationally, one of ten 2021 Leaders at UBC.

2020   *Google Code-in Grand Prize Winner* ◦ *Liquid Galaxy*

- Google's largest open-source programming contest aimed at teens.
- Selected as youngest Grand Prize Winner from several thousand international participants.

Technical Skills & Projects

Frontend Development (HTML/CSS/JS/TS, React, Vue, Next.js) ◦ Backend Development (Python, Flask, Firebase, MongoDB, SQLite, GraphQL, Redis) ◦ Static Site Generation (Hugo, Nuxt) ◦ Linux / Unix Tooling

revshare.js ◦ **Revshare for GitHub**

- Revenue streaming library, enabling creator ↔ consumer micropayments directly in-browser.
- Created for Grant For the Web, an international competition organized by Dev.to, Coil, Creative Commons, and Mozilla. Won Grand Prize for innovation as a Creative Catalyst.

Knetwork

- An offline-first educational system for remote communities, with infinite AI-generated problems and tests.
- Won 1st Place Prize at Hack the Change 2022, a two-day for-charity hackathon promoting social good.

diveintoht.ml

- A resource for web development basics, implemented in several high school CS curricula.

more at GitHub.com/kewbish ◦ https://kewbi.sh