

Jinyang Yao

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Previous Experience

- 2021–2024 **Full Stack Software Developer** *Flint Healthcare (YC20), Vancouver, BC, Canada*
- Designed, implemented and maintained the CQRS and event sourcing based platform in Haskell and Elm.
 - Maintained the kubernetes cluster, CI and the deployment process.
 - Interviewed software developer candidates.
- 2020-2021 **UBC CS honours program** *The University of British Columbia, Kelowna, BC, Canada*
- Using machine learning techniques to automatically assess first year programming assignments.
- 2019 **Software Developer Internship** *Chongqing Univeristy, Chongqing, China*
- Implemented tools to optimize building design with multi objective constrains. Implemented Flask and React based platform to aggregate and demonstrate sensor data.

Education

- 2017-2021 **B.S Honours in Computer Science, Minor in Mathmatics**
The University of British Columbia, Kelowna, BC, Canada

Skills

- Haskell, C++, C, Python, Typescript
- System design, RESTFUL api design, Event sourcing, DDD modeling
- Linux system programming
- Functional programming
- Nix build system
- Programming language theory

Projects

- melonOS github.com/ailrk/melonOS
A posix style operating system written in C.
- cppparsec github.com/ailrk/cppparsec
A header only C++ parser combinator library.
- blgol6o github.com/ailrk/blgol6o
An algol6o compiler in Haskell.