Haohu Shen

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EDUCATION

- **University of Calgary** — Calgary, Alberta, Canada
  Bachelor of Computer Science - GPA: 3.716/4.0   *July 2018 - Present (Expected Graduation Date: Dec 2021)*
  Courses: *Computing Machinery I and II, Principles of Operating Systems, Design and Analysis of Algorithms I, Programming Paradigms, Data Base Management Systems, Computer Networks, Introduction to Computer Graphics*

- **Guilin University of Technology** — Guilin, Guangxi, China
  Bachelor of Engineering - Architecture; GPA: 89.9/100   *July 2011 - June 2016*

SKILLS SUMMARY

- **Languages:** Java, C++, Golang, Python, MySQL, Bash, JavaScript, HTML
- **Frameworks:** SpringBoot, MyBatisPlus, Redis
- **Tools:** Git, Postman
- **Platforms:** Linux, Github
- **Problem Solving:** Love solving problems in Leetcode, Kattis and Hackerrank

AWARDS

- **International Collegiate Programming Contest**
  Won silver medal in North America Rocky Mountain Regional Programming Contest   *March 2021*
- **Dean's List placement in UCalgary**
  In the dean's list for the 2019-2020 academic year
- **Programming Ability Test of Zhejiang University, China**
  Ranked 1st in Basic Level (Certificate ID: B1712094273118010)   *Dec 2017*

TEAM PROJECTS

- **Student & Faculty Information Manager**: A form-based desktop application which simulates the scenario that students, faculty members and administrators in a university institution to create/manage accounts. We use the course IDs in UCalgary for simulation. Tech: JavaFX, Jsoup, JUnit, SQLite (April '19)
- **UCalgary Online Secondhand Trading System**: An online trading system for students only running on the web and keeps track of information using a database. We used UCalgary as our example and supposed that we were given the API to access students' accounts. Tech: PHP, MySQL, JavaScript, Python (Dec '19)
- **Hotel Online Booking System**: An online booking system running on the web. Guests and hotel employees interact in the front-end. Info will be stored and updated in the back-end. Tech: MyBatis, SpringMVC. (April '20)
- **An Online Image Editor**: An online image editing tool that allows multiple users' collaboration in realtime on the web. Tech: NodeJS, MySQL, Bootstrap (Dec '20)

INDIVIDUAL PROJECTS

- **Caches**: Implementations of caches using FILO, FIFO, LRU and LFU policies in C++ Tech: CMake, Catch2. (Sept '13 2020)

- **Rational**: A simple implementation of Arbitrary-Precision Fraction in Java Tech: Maven, Junit. (Jan '1 2021)

EXTRACURRICULAR ACTIVITIES

- Competitive Programming Club - Dec.2018 - Present
  - Participated in the weekly lessons and the in-house competitions held at the club.
  - Collaborated with other students to collectively solve programming problems.

- Programming competitions
  - Calgary Collegiate Programming Contest (Division 1)
    - Placed 12th out of 85 teams, competed as part of Team __stdcall in CCPC 2020
    - Placed 10th out of 56 teams, competed as part of Team UCalgary Green in CCPC 2021
  - Alberta Collegiate Programming Contest 2020 (Division 1)
    - Placed 4th out of 37 teams, competed as part of Team https://asone.ai

- Calgary Hacks 2020 - February, 2020
  - Collaborated in the Team QUEST RUSH
  - The project is available at: University-Public-Resources-Portal

- Be involved in the Open Source project OI-Wiki by pulling requests. The record of commits is available here.