Jingyan Gu
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Objective

To use with my skills and abilities in software, web, mobile application development in database and operating systems to seek co-op work in winter 2022.

EDUCATION

Computer Programming (Co-op Stream)

Humber College Institute of Technology & Advanced Learning   WINTER 2020 - SUMMER 2022

Award: Dean's Honour List for all semesters.

Columbia International College

Hamilton, Ontario, Canada   FALL 2018 - FALL 2019

SKILLS

Tools and Languages	Java object-oriented applications, Database design and programming, Database Administration, Android Mobile Programming, PHP Web Development, Scripting in Unix/Linux, Python applications, C.NET applications, XML, Systems Analysis and Design, JavaScript, Python, HTML, CSS, Bootstrap, Version Control, Markdown, Regex, JFrame Gui, JDBC, TCP/IP, Tcpdump, IntelliJ IDEA, Apache Netbeans, Android Studio; Photoshop, Bootstrap Studio, Sketch.
Communication	English(Fluent), Cantonese(Intermediate), Mandarin (native speaker)
Others	Self-starter, Self-directed, Problem-solving, Leadership, Teamwork ability, Debugging ability.

TECHNICAL EXPERIENCE

Software Developer / Intern Experience   Mar 2018 - Aug 2018

Shenzhen Zeneyes Digital Technology Co., Ltd.   *Shenzhen, China*

- Implemented software systems using Java under the guidance of a mentor.
- Completed code review and documentation, as well as solved problems during software development.

Project Experience / Personal Blog   2017 - current

Static Pages/ PHP Pages

- A blog designed to let everyone know how to study and work effectively.
- Based on HTML, CSS, and JavaScript, turning to PHP.
- Implement API applications, crawl information, online applications, customised frameworks, merge existing APPs and so on.
- Practiced putting ideas and features into code. Gained experience in problem solving during programming and is proficient with tools that web-building needs.

Project Experience / Movie Subtitles Searcher   2020

Java

- Searched, crawled and decoded movie subtitles from the Internet and pronounced subtitles to allow users to learn languages.
- Used Jsoup to search and crawl movie subtitles from the Internet.
- Used I/O Streams to download subtitles and Regex to decode it.
- Pronounced subtitles using API to allow users to learn languages.
- Self learnt how to use Jsoup to parse and fetch information from HTML, use Regex to fetch information from complex text and the interaction between software and website.

Project Experience / Anonymous Chat Room   2019

Java

- Bidirectional encryption chatroom, the server-side has word filter, blacklist, kick IP etc.
- Client used Thread and Socket to communicate with a server for receiving and sending messages.
- Server inspected if IP and messages are in blocklists.
- Automatically decodes after receiving and encrypts the message before passing in server.
- Self-learnt handshake between clients and server, more detailed socket application as well as how to combine other wheels into the project, in other to make bidirectionally communication more safety.

Project Experience / Education Assistant   2018

Java

- An integration tool, which included citation word document generator, dictionary as well as paraphrase etc.
- Translation: A system clipboard monitor with switch and shortcuts that monitors the information from the clipboard. Automatically translated information to target languages and showed on a floating window.
- Multi Thread downloader, APA format generator, Citation generator, etc.
- Self-learnt JFrame GUI and how to search for suitable methods to implement features.