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# Jingyan Gu

Jeffrey 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.

### 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

Shenzhen Zeneyes Digital Technology Co., Ltd.

Mar 2018 - Aug 2018

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 / 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 order 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.

### Project Experience / Personal Blog

2017 - current

Java

- A blog designed to let everyone know how to study and work effectively.
- Based on HTML, CSS and JavaScript, turning to Nginx with PHP.
- Self-learnt how to solve problems during building the website. Proficient with Google searching engine.