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	Work Experience	
Joyce L. Qin	May 2023 -	Expedia Group Seattle, WA
Software Engineer	July 2023	<ul> <li>UX Engineering Intern</li> <li>Designed and developed fully accessible pages for a11y screen</li> </ul>
<b>)</b> +1 (214) 836-6391		reader training used by 1000s of employees using TypeScript React.js
joyce.l.qin@gmail.com		<ul> <li>Debugged accessibility issues in core UI components shared across all Expedia Group brands</li> </ul>
in LinkedIn.com/in/JoyceLQin	May 2022 - August 2022	The BHW Group       Austin, TX         Software Engineering Intern       Austin, TX
github.com/jlq279	August 2022	Created fully responsive website UI in TypeScript React.js
文 joycelqin.journoportfolio.com		<ul> <li>Developed native counterpart in iOS and Android environments using TypeScript React Native</li> </ul>
Summary ———		<ul> <li>Enabled mock API to wire up app and website flow with realistic requests and responses</li> </ul>
Honors computer science with a fine arts background.		<ul> <li>Participated in code reviews and maintained high-quality standards throughout codebase</li> </ul>
Creative, effective, fast learner. Seeking a new-grad position for 2024.	June 2021 - August 2021	Kalkomey Enterprises, LLCRemoteSoftware Engineering InternRemote
		<ul> <li>Processed 1000s of lines of data to generate recommendations</li> </ul>
Education ———		Wrote SQL queries to write data into SQLite database
2023 University of Texas at Austin		<ul> <li>Created a recommendation generator in Ruby on Rails styled with Bootstrap</li> </ul>
B.S.A, Computer Science, Certificate in Digital Arts & Media	June 2020 - August 2020	Lockheed Martin Remote Software Engineering Intern
With an emphasis in game development		<ul> <li>Implemented front end features using SAPUI5 to help expedite batch processing of F-35 part order data</li> </ul>
Turing Scholars honors program		<ul> <li>Built message logviewer tool to track well over 100,000 part order data logs daily</li> </ul>
Tetovodo		<ul> <li>Made jQuery AJAX calls to the SAP HANA database</li> </ul>
Interests ———		<ul> <li>Supported software development teams, assisting with test environment and framework creation</li> </ul>
Animation	Projects	5
Scomputer Graphics	2023	Minecraft
<ul><li>Graphic Design</li><li>UI/UX</li></ul>	2023	<ul> <li>Procedurally generated terrain and textures in an infinite, seamless, open world in a Typescript and OpenGL application</li> </ul>
😎 Video Game Development		<ul> <li>Implemented time-varying textures, mining, and block placement</li> </ul>
Chille	2023	Ray Tracer and Path Tracer
Skills ———		• Implemented a Whitted-style ray tracer and a path tracer in C++
Programming Languages	2022	Constructed a BVH tree for up to 16x faster performance
Java • C/C++/C# • Python • MATLAB •	2022	<ul> <li>Basic Multicore Multithreaded Operating System</li> <li>Developed an operating system in C++ with the following features:</li> </ul>
GLSL • GDScript • JavaScript • TypeScript • Scala • Ruby • Kotlin		<ul> <li>Preemptive multitasking</li> </ul>
Web and App Development		– Ext2 file system
HTML • CSS • Bootstrap • React.js • React		<ul><li>Virtual memory</li><li>Syscalls</li></ul>
Native • Node.js • Vue.js • jQuery	2022	
Databases	2022	<ul> <li>AArch64 Emulator</li> <li>Wrote an emulator for a subset of the AArch64 Instruction Set Architecture using C</li> </ul>
SQLite • MongoDB • IndexedDB	2022	Custom Wordle
Technology	2022	• Built an Android Kotlin Wordle app with customizable dictionaries,
Git • Blender • Godot • ᡌ᠋ᠮ <sub>E</sub> X		word lengths, and number of guesses
Arts and Design	2021	<ul> <li>Web Crawler and Search Engine</li> <li>Developed a Java application that crawls a contained portion of web</li> </ul>
Drawing • Painting • Graphic Design •		(over 50,000 pages) and builds a searchable index
Digital Art • Photography • Procreate		<ul> <li>Built a search engine that supports basic queries, negative queries, and phrase queries on the index</li> </ul>