

Haifeng Sun

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EDUCATION

University of Toronto

Honours Bachelor of Science in Computer Science, Minor in Mathematics

Toronto, ON

September 2019 – April 2024

- **GPA:** 3.80 / 4.00
- **Dean's List Scholar Award**

TECHNICAL SKILLS

Languages: Javascript, Typescript, HTML, CSS, Java, Python, C, Assembly

Tools: Git, Docker, Linux, Unix, L^AT_EX, Markdown, Gitlab, Github, Figma, JIRA, TeamCity

Technologies/Frameworks: React, Preact, Node.js, PostgreSQL, SQLite, MySQL, Oracle JET, React Testing Library

EXPERIENCE

Software Developer

Oracle Corporation

Toronto, ON

May 2022 - May 2023

- Developed multiple web applications with a team of **9 people** in an **Agile** development cycle.
- Implemented and delivered UI upgrades to more than **2500** business customers for **Eloqua**, a B2B marketing automation software.
- Built a file uploading component that can process, validate and preview more than **13000** rows with more than **50** custom fields at once.
- Optimized page loading speed by **70%** by refactoring custom React hooks
- **Halved** weekly bug ticket count through incremental sprinting.
- Engineered the integration of **RESTful** API calls, enhancing the efficiency and scalability of the application by enabling seamless data exchange between front-end and back-end systems.

PROJECTS

Weather Forecast | *React, CSS, TypeScript, HTML, Node.js*

- Developed a React Application for displaying weather forecast for the next 5 days with 3-hour steps.
- Utilized OpenWeatherMap API to scrape and process weather data for more than **10000** cities and towns around the globe, managing more than **400,000** entries.

Employee Table | *React, CSS, JavaScript, HTML, MySQL, Node.js, Express*

- Created a full-stack web-based Employee Management System for displaying and interacting with employee data
- Built RESTful API to enable seamless editing, deletion, and creation of employee records.

Meeting-System | *Java, SQLite, JDBC*

- Built a meeting scheduling application with a team of **8** using Java.
- Implemented the app using various design patterns, following **SOLID** principles and clean architecture.
- Setup and Utilized a SQLite database to store user data.
- Managed the project by communicating with the team and maintaining the project's schedule.

Extent-based File System | *C, FUSE*

- Designed and developed an extent-based File System, implemented using FUSE and C. Design documents and source code available upon request.
- Supports system calls such as mkdir, rmdir, truncate, write, read.

PSK For All (on-going) | *Typecript, Figma*

- Designing and prototyping marketing software as a capstone project to support and represent more than **240** local businesses in Kensington, Toronto.
- Engaging in a multi-disciplinary team to address and resolve multiple concerns about Pedestrian Sundays Festivals in Kensington.