# Haifeng Sun

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## EDUCATION

**University of Toronto** — Toronto, ON
*Honours Bachelor of Science in Computer Science, Minor in Mathematics* — *September 2019 – April 2024*
- **GPA**: 3.80 / 4.00
- **Dean's List Scholar Award**

## EXPERIENCE

**Software Developer** — May 2022 - May 2023
*Oracle Corporation* — *Toronto, ON*
- 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.
- Improved page loading speed by **70%** by fixing custom react hooks
- **Halved** weekly bug ticket count through incremental sprinting.
- Implemented **RESTful** API calls to facilitate seamless communication between front-end Preact components and back-end systems.

## PROJECTS

**Weather Forecast** | *React, CSS, TypeScript, HTML, Node.js*
- Developed web-based 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*
- Developed full-stack web-based Employee Management System for displaying and interacting with employee data
- Enabled seamless editing, deletion, and creation of employee records.

**Meeting-System** | *Java, SQLite*
- Developed a Java application with a team of **8**.
- Implemented the app using varius 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** | *Typecript, Figma, PostgreSQL*
- Designing marketing software as a capstone project to 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.

## TECHNICAL SKILLS

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

**Tools:** Git, Docker, Linux, Unix, LaTeX, Markdown, Gitlab, Github, Figma, JIRA, TeamCity

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