

Kaan Sinar

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EDUCATION

University of Guelph

Guelph, ON

Bachelor of Computing in Computer Science Co-op (Honours)

Aug. 2019 – May 2024

- Dean's Honours List (2020, 2022)
- **Relevant Coursework:** Object-Oriented Programming, Data Structures, Analysis and Design of Algorithms, Software System Development and Integration, Discrete Mathematics, Web Design and Development, Software for Legacy Systems

EXPERIENCE

Software Engineering Intern

May 2022 – Aug. 2022

Equitable Bank

Toronto, ON

- Architected and developed a full-stack web application that allows internal employees to query and run stored functions and procedures on a Microsoft SQL Server on-premises.
- Designed and implemented the front-end of the application using React and Node.js, and Chakra UI for styling.
- Developed the back-end of the application using Node.js and Express.js to handle requests between the front-end and the database.
- Optimized the authentication process by implementing Microsoft SSO with Azure Active Directory.

IT/Software Engineering Intern

May 2021 – Jan. 2022

Chicken Farmers of Ontario

Guelph, ON

- Developed the Audit Evolution project, which aimed to streamline the auditing process for the on-farm representatives who are auditing the chicken farms using JavaScript framework SAPUI5.
- Developed the connection between company's internal portal and Microsoft Dynamics 365 using D365 Web API and Microsoft Graph API.
- Transitioned company's back-end from SAP to Dynamics 365.
- Collaborated with an external company (Velosio) to create and configure the back-end.
- Ran analytics on farmers' data using Python and Power BI.

PROJECTS

GPX Parser Web App | C, Node.js, JavaScript, MySQL, HTML, CSS, Bootstrap, jQuery

- Developed a full-stack web application with Node.js serving a C back-end
- Developed a custom C library to parse through the GPS data and store each component in the form of a linked list
- Performed calculations on the data to display information about the tracks, routes and waypoints
- Used haversine formula to find the distance between two points using the latitudes and longitudes of the points
- Used JavaScript(jQuery) to retrieve and display the data on the front-end
- Developed connection to the school's MySQL server to allow users to log in through the site and upload or access their own GPX files

C_Shell | C

- Developed my own implementation of a UNIX shell in C
- Developed a command line interface with shell prompt that displays current working directory
- Implemented piping commands via forks, as well as input and output redirection between commands
- Used UNIX libraries to allow user to run commands in the foreground and background, use pipes, and traverse the file system

TECHNICAL SKILLS

Languages: C, Java, Python, JavaScript, SQL, PowerShell, Bash (Shell Scripting), HTML, CSS, PHP, R

Frameworks: React, Next.js, SAPUI5, WordPress

Developer Tools: Git, Node.js, Vim, VS Code, PyCharm, IntelliJ, Eclipse, Postman, PowerBI, Dynamics365, SAP, jQuery

Libraries: pandas, NumPy

Technical Skills: Web Development, GNU/Linux (Arch), macOS, Windows, SEO, RESTful APIs