

Sina Hajeb

Year 4, Computer Science
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github.com/sinkid8

Technical Skills:

Programming Languages: C/C++, Java, HTML, CSS, Python, JavaScript, SQL, PHP
Tools: Visual Studio, Git, Android Studio, Angular, Docker
Testing: JUnit, Cunit, gtest, Pytest
Frameworks & Libraries: Node.js, [ASP.NET](#), Django, React.js

Technical Projects:

PathFinder (Personal) May 2024

- Implemented an algorithmic tool that visualizes the process of determining the shortest path between two points given a collection of obstacles in Java.
- Successfully demonstrated Dijkstra, BFS algorithms.
- Utilized the observer pattern to communicate state of nodes on grid to help visualize the process of implemented algorithms

DSCSS (Academic) Mar 2023

- Developed a full-stack discussion forum web application inspired by Reddit's core features using HTML, CSS, JavaScript, and PHP.
- Utilized MySQL for database management and AJAX for dynamic content updates without page reloads.
- Hosted on a dedicated server to manage backend operations and ensure data persistence.

Plagiarism Detector (Academic) Dec 2022

- Designed and implemented a Java program to compare multiple files against a reference file, identifying and reporting matching content along with corresponding file names.
- Successfully demonstrated and applied KMP, LCS, and Rabin-Karp algorithms for efficient string matching.

UBC TA Allocation App (Academic) Aug 2025

- Developing a full-stack web application to manage TA applications, preferences, and allocations for university departments.
- Implemented a multi-step React form for student applications, including dynamic autofill and file upload features.
- Built RESTful APIs using Django with token-based authentication and custom user model integration.
- Utilized MySQL for relational data management and Docker for containerized deployment across frontend, backend, and database services.

Work Experience:

Private Mathematics Tutoring - Sina's Tutoring

Aug 2024 - Ongoing

Sportcheck, Park Royal — Online Order Fulfillment

May 2022 - Sep 2023

Best Buy, Park Royal — Home Solutions Specialist

May 2018 - Jan 2019

Education:

Bachelor of Science, Computer Science Major Fourth year

Sept 2020 - Nov 2025