

(250) 351-5768
arkerr2000@gmail.com
linkedin.com/in/aidenkerr
github.com/AidenKerr

Aiden Kerr

Third Year, Computer Science

EDUCATION

B.Sc. Computer Science, The University of British Columbia

Sep 2019 - May 2024

Overall GPA: 4.0/4.33

CS GPA: 4.28/4.33

SKILLS

Languages	Java, JavaScript, Typescript, C++, C
Libraries/Frameworks	React, Next.js, Express
Tools/Technologies	Git, Unix/Linux , REST, Node.js, GraphQL, MySQL, Firebase, Firestore (NoSQL)
Testing/Debugging	Jest, React Testing Library, JUnit, GDB, Valgrind

EXPERIENCE

Software Engineer, Realtor.com, *Remote*

Sep 2021 - Apr 2022

- Working on multiple React/Next.js **shareable components and pages** written in both **Javascript** and **Typescript**, including a custom Google Maps wrapper.
- Reduced page load times by reworking API calls with GraphQL to **cut number of calls by 50%**.
- Demonstrated ability to **quickly learn a large code base**, contributing as a full-time developer.
- **Collaborating across multiple teams** to ensure product quality and consistency.
- Contributing and asking relevant questions in all Scrum events, and participating in code review.
- Achieved **over 80% test coverage** using **Jest** and **React Testing Library**.

TECHNICAL PROJECTS

Kerrdit - Javascript, React, Node.js, Express, MySQL

Jul 2020 - Present

Full-Stack clone of Reddit

- Used React with Material-UI to build responsive website similar to Reddit's layout.
- Utilized Express to read/write from a MySQL database to allow posting, voting, and more.

20Q Designer - Java, Swing, JSON persistence.

Oct - Dec 2020

Users can build and play 20Q-style games with custom items and questions.

- Developed using a binary tree structure that backtracks when all questions in a branch have been asked.
- Implemented persistence by reading and writing to JSON files.
- Achieved **100% test coverage with JUnit** to ensure program quality.

HACKATHONS

GeoTrace (Hack The North) - React, Firebase, Google Maps API.

Jan 2021

Privacy-focused contact tracing for old devices and areas without the needed infrastructure.

- Fetched and parsed exposure information from Firestore (NoSQL) using **Javascript**.
- Created a dashboard with the Google Maps API and React to display location data as a heatmap.

GitLOVE (MLH Hackathon) - React, Ionic, Firebase, BiwaScheme.

Jul 2020

Second-place out of over 200 participants - Dating app for programmers to share and run code art.

- Built pages using Ionic Components and **Javascript** to read and write data to Firestore (NoSQL).
- Used BiwaScheme interpreter to build custom Scheme functions that draw on the HTML canvas.

Quadoodle (MLH Hackathon) - React, Firebase, HTML Canvas.

Jun 2020

Honourable Mention out of over 300 participants - Collaborative drawing game with hilarious results.

- Used Firestore using React and **Javascript** to create game rooms and store data.
- Drawing is accomplished using HTML Canvas.