

BELAL KOURKMAS

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Technical Skills

Languages: Python, Java, JavaScript, C, C++, HTML, CSS, Kotlin, TypeScript

Frameworks: React.js, Redux, Django REST Framework, Node.js, Express.js, Tailwind CSS, Bootstrap, Material-UI

Tools: REST APIs, AWS, NoSQL, Git, Visual Studio Code, Windows, Ubuntu, Babel, npm, UI/UX Design, Agile/Scrum

Education

British Columbia Institute of Technology

September 2021 – December 2023

Computer Systems Technology GPA: 4.0

Vancouver, BC

Relevant Coursework

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|-------------------------|-----------------------|--------------------------|------------------------------|
| • Object-Oriented (OOP) | • Web Development | • Cloud Computing | • Applied Mathematics |
| • Programming Methods | • Relational Database | • Computer Architecture | • Probability and Statistics |
| • Algorithms Analysis | • Android Mobile Dev | • Procedural Programming | • Projects |

Experience

Clarius Mobile Health

May 2022 – January 2023

Software Developer Intern

Vancouver, BC

- Enabled CI/CD automatic violation testing on GitHub Actions by comprehensively resolving over 1500 linter violations, which streamlined code review processes, prevented future avoidable bugs, and ensured consistent and readable code.
- Implemented 100% unit testing coverage for a new logging system, as well as unit tests for various other features.
- Resolved front end bugs causing bad database entries by implementing generic form validation for invalid and empty fields, and corrected up to 50,000 bad entries in a PostgreSQL database.
- Reduced technical debt, improved code clarity, and optimized runtime by resolving all violations related to system, naming, complexity, consistency, best practices, refactoring, and OOP across diverse features and code written by multiple developers.

British Columbia Institute of Technology CST

January 2021 – May 2021

Teacher's Assistant

Vancouver, BC

- Reviewed students' coding assignments, debugged, and graded based on conciseness, while providing supportive feedback.

Projects

Anon Images | *Full Stack, React, Linux, Express.js, Node.js, AWS (EC2, DynamoDB, S3, Route53), Tailwind CSS*

- Developed a full stack image sharing web application using React for the front end and Express/Node for the back end.
- Utilized Ubuntu, PM2, and Apache to host both front end and back end on an AWS EC2 Ubuntu instance.
- Contributions: Built front end, back end from scratch, integrated AWS services (EC2, S3, Route 53, DynamoDB).

Snack Overflow | *React, Express.js, Node.js, MongoDB, Socket IO, Responsive Web Design, UI/UX Design*

- Created a mobile-friendly web app using React for the front end and Express.js, Node.js for the back end to allow users to read/create/update/delete snack sharing posts in real time to MongoDB.
- Implemented a chat system using Socket.io so users could communicate snack sharing meetup locations.
- Collaborated in a team of 3 to create a fully functional web app for the 2022 SAP Hackathon in 24 hours.
- Contribution: Socket IO chat system, helped implement the React front end, and added back end features.

Animal Hustler | *Java, JavaFX, FXGL, Documentation, Planning, Object-Oriented Design, Cooperation*

- Used object-oriented programming methodology to create a fun and complete Java game that earned 100%.
- Contribution: All aspects of the project including planning, design, research, implementation, and game balance.

Outliner | *Python, OpenAI, Web-scraping, Documentation*

- Developed a Discord bot using AI language processing to intelligently answer questions regarding student courses.
- Contribution: Implementing the AI engine, web-scraping, and documentation.

DeskBuddy | *JavaScript, HTML5, CSS3, Bootstrap, jQuery, Git, Agile, Firebase, Trello, Scrum, Web Accessibility*

- Created a mobile-first app that supports mental health by reminding users to take regular breaks during workdays.
- Contribution: Significant contributions to read/write/query/delete in JavaScript and set up the Firebase database.

Modern React with Redux 2023 | *React.js, Redux, APIs, Express, Node.js, Tailwind CSS, RESTful APIs, JSON*

- Created numerous React projects using HTML5, CSS3, Tailwind CSS, JSX, JavaScript ES6/ES2015, APIs, reusable components, data persistence, hooks, and routing.
- Learned the ins and outs of the toolchain supporting React, including npm, Webpack, Babel, and ES6/ES2015.
- Mastered core concepts of React, Redux, and building RESTful APIs with Express and Node.js.