

FELICITY BRAMMER

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Full Stack Developer

Driven, solution-oriented and team-focused. Background in Mathematics Education.

Strong communicator with a passion for optimization and efficiency.

Recent graduate of University of Toronto Web Development Coding Bootcamp.

TECHNICAL SKILLS

- JavaScript, Node.js, SQL, Express, MongoDB, GraphQL, JSON
- React (with Hooks), AJAX, jQuery, HTML5, CSS3, Bootstrap, Responsive Design
- Agile Development, MERN stack, REST, Object-Oriented Design, Git
- Fan of unit tests, functional programming, ES6
- Open to evolving in: Java, Python and many more

SOME RECENT PROJECTS

OkCreature - Team Project (Feb 2022)

- Description: A personalized matching app for pets and potential adopters. Users can take a quiz to match them with pets from the database based on lifestyle, household, preferences or ability to provide care.
- Built with: React, MongoDB, GraphQL, Node.js, Apollo, Express, JavaScript
- Successes: One of my best team experiences! We executed a well-planned project using Agile methodologies, extensive prototyping and collaboration. My role was to build and test the back-end functionality, to create JWT authentication on the server and client-side, and to integrate state management with React hooks.
- Further Development: Creating a matching algorithm with JavaScript proved to be quite challenging and my next steps will be to improve the scalability and efficiency of this project.

Link to Deployed App: <https://okcreature.herokuapp.com>

Link to GitHub Repo: <https://github.com/felicitybrammer/pet-matcher>

Train to the Beat - Team Project (Oct 2021)

- Description: A front-end music search tool that allows tracks to be filtered by tempo and genre to create playlists that are tailored to a user's specific training
- Built with: JavaScript, Bootstrap, CSS, HTML5
- Successes: I was instrumental in creating the design and concept of this app. I was able to maintain team cohesion despite challenging friction among members through listening, quick decision-making and flexibility.
- Further Development: This app would benefit from incorporating a music player and user authentication.

Link to Deployed App: <https://ScalexanderB.github.io/activity-music>

Link to GitHub Repo: <https://github.com/felicitybrammer/activity-music>

WORK EXPERIENCE

Yukon Government - Whitehorse, Yukon (Sept 2016 - Dec 2021)

STEM TEACHER - Porter Creek Secondary School - Mathematics, Physics, Science

- Took a dynamic and creative approach to personalized learning and incorporation of technology and logic skills into curricula that resulted in increased levels of student engagement
- Independently developed a robust and adaptable record-keeping system to maintain sensitive records that streamlined my reporting timelines
- Created workshops to demo STEM activities like skatepark design, bridge building, rocket launches, game development and geometric art to junior students that directly resulted in an increase in registration for senior classes and higher education courses in STEM fields by female students.
- Facilitated discussion among my team to develop new materials and practices, mentored student teachers
- Leader in the Gender and Sexuality Alliance where I developed a program of support and guidance for lgbt2qs+ students. We successfully campaigned for and brought into law a ban on conversion therapy in the Yukon.

British Columbia School District 43 - Coquitlam, BC (Jan 2012 - June 2016)

MATHEMATICS/SCIENCE TEACHER - Various Schools - Contract and On-Call

- Developed a successful mathematics curriculum plan for and was able to demonstrably increase student engagement, attendance and performance on a six-month contract job
- Demonstrated flexibility, professionalism and a willingness to "jump in" to support the team

EDUCATION

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|-------------------------------------|---|
| • University of Toronto | Web Development Coding Bootcamp, Certificate |
| • Thompson Rivers University | Bachelor of Computing Science (In Progress) |
| • University of Leeds | Mathematics Education, Postgraduate Certificate |
| • University of Bristol | BSc (Honors), Physics and Mathematics |

OTHER PERKS

- Good technical writer and public speaker
- Solid project management skills
- Knowledge of algorithms and data structures
- Speaks intermediate-level French and basic German
- Willing to relocate