

# FELICITY BRAMMER

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## Full Stack Developer

I'm a driven, curious and solution-oriented team player who loves to find and eliminate bugs. I have a strong background in Mathematics Education that makes me a great analytical and creative problem solver. I love to write, develop, test and review code, and I have a passion for optimization and efficiency.

## TECHNICAL SKILLS

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- 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

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### OkCreature - Team Project (Feb 2022)

*A personalized matching app for pets and potential adopters.*

Built with React, MongoDB, GraphQL, Node.js, Apollo, Express, JavaScript

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.

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.

Live Link: <https://okcreature.herokuapp.com>

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

### My Social - Team Project (Dec 2021)

*A full stack RESTful social media API for posting, commenting, liking and following.*

Built with: MySQL, Express.js, JavaScript, Sequelize, Handlebars.js, Node.js, Bootstrap

I was instrumental in building server-side models, routes and database schemas, and in connecting front and back end through handlebars templates. I was able to maintain team cohesion despite challenging friction among members through encouraging communication, decision making and flexibility.

Live Link: <https://polar-sands-74505.herokuapp.com/login>  
GitHub Repo: <https://github.com/felicitybrammer/my-social>

## WORK EXPERIENCE

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**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 Bristol** - BSc (Honours), Physics and Mathematics

## OTHER PERKS

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- 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