

# Margaret C Brewster

University of Waterloo Systems Design Engineering

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## Languages

- HTML
- CSS, Bootstrap, Less.js, Sass
- C++, C#, Java
- Visual Basic

## Frameworks

- React.js and Redux
- .Net
- Angular.js, RxJs
- Google, Shopify, Paypal APIs

## Tools

- Node.js
- Git, Bash, npm/nvm, grunt, yarn
- Jira
- Octopus Deploy, Teamcity

## Experience

UX Developer | **Inflight Corporation**, Kitchener, September 2018 - Current

- Acted as **lead designer** to craft justified UX design using **personas**, **heuristics** and **fail fast prototype validation**.
- Used **Angular.Js** to modernize user experience of People Soft and Benefits Enterprise applications.
  - Created **mobile responsive page layouts** for Chrome, Firefox and IE11 using CSS grid and Bootstrap.
  - Redesigned page flow through **multi-hop page rerouting** using proprietary NLX7 **C# .NET** code.
  - Used **asynchronous** programming and the **RxJs** library to maintain and improve application functionality.
  - Maintained **AAA web accessibility** throughout the creation of new applications.
- Designed product demo mock-ups resulting in three **new client acquisitions (\$500 000 in new business** per client)
- Coded **Js extraction scripts** to interface between Angular applications and existing enterprise web applications.
- Worked with and created multiple proprietary **npm packages** to maintain **modular repeatable code**.

Engineering Intern | **Shaw Telecommunication**, Calgary, Jan 2018- April 2018

- Upgraded Shaw Newsroom to A level W3C web accessibility standards.
- Worked with **CLUA**, **EKTRON** and **ATG** content systems to build responsive web pages and Mobify enabled pages.
- Implemented **Optimizely** code to create **targeted commerce streams**
- Used **Adobe analytics** to track purchasing habits of customers and create **optimization use cases**.
- Worked in an **agile** environment, using **Jira**, **Mingle** and **Bitbucket** to manage and track tickets.
- Attended Shaw Scrum Master training.

Web Development Intern | **Grey ADV**, Calgary, August 2016 - October 2016

- Programmed in **HTML**, **CSS**, **Bootstrap**, **JavaScript** and integrated **APIs** to suit **client specification**.
- **Reduced company operation costs by \$2500** by identifying partnerships with local hosting companies.

1st Robotics Mentor and Lead | **Aberhart Robotics**, Calgary, September 2016

- Taught **Java** and the First robotics library.
- Used **Android Studios** to program a mobile app for robot control.
- Researched, applied for and **received \$2000 grant** from Devon Energy to help buy supplies.

## Awards

- **Loran Provincial Award Recipient, 2017:** Received for community leadership and mentor Work. Sponsored by ATB.
- **Top 3 Enghacks, 2016:** Was awarded first place for an IOT device created at Enghack 2018.
- **Best Website Shad Dobison Entrepreneurial Cup, 2016:** Was Awarded first place by Microsoft for best website User design and experience.