

# Jonathan Guillotte-Blouin - Senior in Computer Science

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## Technologies

JavaScript & Node.js - HTML & CSS - Go - C/C++ - Cloud deployment - Java - UNIX

## Work Experience



**FIREFOX ENGINEERING INTERN, MOZILLA - MOUNTAIN VIEW, US – MAY-AUGUST 2017**

*JavaScript - Mercurial - C++ - idl - Bugzilla - multi-process*

- Spearheaded WebPayments (new W3C standard) front-end, coupled to the C++ API
- Enhanced form-autofill UX by merging separate storage data
- Separated logic throughout multiple processes for security & performance



**INNOVATION DEVELOPER INTERN, VIA RAIL – MONTRÉAL, CANADA – MAY - AUGUST 2016**

*AWS - MySQL - GitHub - Node.js - HTML & CSS*

- Worked on multiple web proofs of concepts
- Took part in the decision process in our small auto-regulated team



**COOP WEB DEVELOPER, BANK OF CANADA – OTTAWA, CANADA – MAY - AUGUST 2015**

*PHP - SVN - Agile Dev - Behat - JavaScript - MySQL - HTML & CSS*

- Created interactive features with dynamic content (AJAX)
- Fixed front/back end issues
- Wrote automated tests

## Projects

**INTERACTIVE ONLINE CODE ENVIRONMENT – JANUARY - MARCH 2017**

*Go - Docker - Digital Ocean - WebSockets - bash - JavaScript - HTML & CSS*

- Created a web app in which users can edit, share & run code
- Executed users code in *docker* containers for quick, safe, and lightweight sandbox

**UOTTAWA SCHEDULE GENERATOR – JUNE - SEPTEMBER 2016**

*Google Calendar API - Heroku - Node.js - WebSockets - JavaScript - HTML & CSS*

- Built a web app to scrape and parse schedule to put on Google Calendar
- Benefited many uOttawa students since then
- Used WebSockets for fluent and immediate feedback to the user

## HACKATHONS

- *QHacks 2016*: started a chrome WebExtension
- *Hack The North 2016*: built a restaurant-suggesting chatbot
- *QHacks 2017*: played with Elixir & Phoenix

## Education

University of Ottawa, Canada – Computer Science, 4th year (2014-2018) – GPA: 3.88/4

- *Dean's Honor List in 2014-2015, 2015-2016, and 2016-2017*

Cégep de l'Outaouais, Canada – DEC in Natural Sciences (2012-2014) – AVG: 87%

- *Award of distinction for best science project of the day (mobile robot)*