

# PAUL BARTLETT

London, Ontario · [pbartle7@uwo.ca](mailto:pbartle7@uwo.ca) · (226) 224-3388

## EDUCATION

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### University of Western Ontario

Honors Specialization in Computer Science with a Minor in Software Engineering

London, Ontario

Grad: May 2018

## EXPERIENCE

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### 3M Canada

*Web Development Intern*

London, Ontario

September 2016 — August 2017

- Developed custom web applications and web pages in a CMS
- Completed code refactors, testing, and bug fixes on existing web applications
- Collaborated with other team members to help them solve problems
- Worked with many different web technologies including HTML, CSS, JavaScript, jQuery, PHP, Node.js, Underscore, RequireJS, and JSON

### SCHOTT Gemtron

*IT Technician Assistant*

Midland, Ontario

Summers 2015 — 2016

- Fixed hardware and software problems on Windows machines
- Properly set up desktops and laptops
- Managed IT department for several months while the IT Manager was away

### SCHOTT Gemtron

*General Labour*

Midland, Ontario

Summers 2012 — 2014

- Final inspection of high quality glass products before shipment to customer
- Worked in several positions on production lines including inspection, material handling, and machine operator
- Participated in LEAN manufacturing workshops

### Willow Creek Baptist Church

*Camp Leader*

Midhurst, Ontario

Summers 2008 — 2011

- Managed around 25 children attending the facility
- Organized crafts, snacks, and games

## PROJECTS

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### Littmann product customizer *JavaScript, Underscore, RequireJS*

[www.littmann.ca/3M/en\\_CA/littmann-stethoscopes-ca/products/find-your-perfect-stethoscope/](http://www.littmann.ca/3M/en_CA/littmann-stethoscopes-ca/products/find-your-perfect-stethoscope/)

Developed a product customizer for Littmann stethoscopes at 3M. Allows the user to customize the tube colour, chestpiece finish and length to visualize and purchase a unique stethoscope. Used Underscore for templating and developed most of the backend logic.

### DPCM Image encoder/decoder *C*

[www.github.com/paul-bartlett/ImageCompression](https://www.github.com/paul-bartlett/ImageCompression)

Encodes and decodes PGM images using 4 prediction rules that the user can specify. The first 3 rules use basic N and W prediction and the last rule uses CALIC initial prediction, which includes binary mode and continuous-tone mode.

### Log file analyser *Haskell*

[www.github.com/paul-bartlett/Haskell/tree/master/CIS%20194/Homework%202](https://www.github.com/paul-bartlett/Haskell/tree/master/CIS%20194/Homework%202)

Parses thousands of individual messages and inserts them into a sorted tree. Filters based on severity and outputs the message.

## SKILLS

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Programming Languages: Java, C, C++, JavaScript, Haskell, Python, Ruby, Assembly