

# Daniel Wyckoff

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## EDUCATION

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**2015 – 2019, University of Waterloo**, Waterloo, Canada. Convocation September 2019.

Bachelors of Computer Science, Honours, Minor in Combinatorics and Optimization.

**Topics of Study:** Algorithms, Data Structures, Design Patterns, Database Management, Networking, Concurrency, Security, Scheduling, Graph Theory, Optimization, Machine Learning.

## LANGUAGES, LIBRARIES, AND FRAMEWORKS

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C, C++, µC++, C#, Java, Python, Liquid, CSS, HTML5, PHP, JS, Ruby, Rails, Jekyll, PostgreSQL, Redis, Memcached, Sidekiq, JQuery, NumPy, SciPy, TensorFlow, Keras.

## APPLICATIONS AND PLATFORMS

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Git, Heroku, AWS CloudFront + S3 + EC2, Shopify, SendGrid, Docker.

## WORK EXPERIENCE

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**Full-Stack Engineer for Fera.AI, Waterloo, Canada. April 2018 – Present.**

- Working in an agile environment with Rails, constantly learning more about web technologies.
- Lead the development and deployment of three complete Shopify applications (In-Store Reserver, Extra Verification, and Theme Scheduler).
- Implemented and documented Fera.Ai's JS API for future developers to utilise and expand upon.

**Process Automation Contractor for Save-A-Life CPR, Waterloo, Canada. Jan. – April 2018.**

- Assisted a small business with submitting their course data to the Red Cross in real time.
- Worked one on one with the client to identify the issues with the current manual process and convert it to one which could be automated.
- Developed a completed bot in Java to automate email creation and database submissions.

**Mobile Application Developer for HeyGurlGames, Waterloo, Canada. May – Sept. 2017.**

- Designed a technology integrated board game for our client in a small start-up environment.
- Worked on all aspects of the company from the ground up, including but not limited to: research and development, taking detailed notes of discussions, leading formal design meetings, and retroactively converting sections of our game into a fully-functioning Android/iOS application in C#.

## PROJECTS

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**Extra Verification, Shopify App Built for Fera.Ai (2018)**

- A stand-alone Shopify app that protects small store owners from fraudulent orders and chargebacks.
- Recommended by Shopify Staff in March 2019, installed in over 400 ecommerce stores.
- First experience designing and implementing a scalable application from the ground up on my own.
- Learned a ton about conventional Rails problem solving and decoupling (concerns, helpers, decorators, and jobs).

## PROJECTS CONT.

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### **Danielwyckoff.ca, Personal Project (2019)**

- Built an online resume theme for Jekyll that also serves to showcase personal achievements.
- Highly modular, the goal of the project was to make something other developers would actually want to use.
- Learned an immense amount about proper web fundamentals, Jekyll, and modular html design.
- Managed to achieve 100% in each applicable section of Google's Lighthouse auditor.

## INTERESTS & ACHIEVEMENTS

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- **Bursary:** University of Waterloo's Full-Time Bursary (2016-2019)
- **Scholarship:** University of Waterloo Entrance Scholarship (2015)
- **Ontario Scholar,** Pickering High School (2015)
- **Honour Roll,** Pickering High School (2012 – 2014)
- **Highest Proficiency Honour:** 100% in Introduction to Computer Studies (2013)
- **Lifesaving Society's Bronze Cross** (July 2013)
- **CPR-C and First Aid Training** (July 2013)
- **Trombone:** Previously a Pickering High senior, intermediate, and junior jazz ensemble member.
- **Building PCs:** Avid over-clocker and SFX dream-builder.
- **Coffee:** In constant pursuit of the perfect cup of coffee.