

Troy Wolters

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EDUCATION

Queen's University, Kingston, Ontario, Canada

Sep 2014 – April 2018

- Bachelor of Applied Science (BASC) in Computer Engineering
- Distinction of Dean's Scholar

WORK EXPERIENCE

Software Engineer

May 2018 – Present

nanopay

- Helped develop and launch Ablii, the company's first product in market developed internally
- Worked on and with the FOAM framework, a model driven development framework for web applications
- Interviewed candidates for software development positions
- Contributed work in the areas of application security, databases, UI components, business logic, and collaborated with the rest of the team in making system architecture decisions

Teaching Assistant

Sept 2017 – April 2018

Queen's University

- Assisted students during lab sessions for ELEC 371: Microprocessor Interfacing and Embedded Systems and ELEC 374: Digital Systems Engineering
- Explained concepts around assembly language programming, FPGAs, C programming, and hardware description languages to over 200 students

Quality Engineer

May – August, 2017

Royal Bank of Canada

- Wrote automated end-to-end tests for RBC Direct Investing, ensuring stock and option orders were processed correctly
- Developed an internal tool to provide reliable testing data for automated test suites
- Lead an initiative to automate testing data creation

Full-Stack Web Developer

May – September, 2016

Smith School of Business at Queen's University

- Developed several custom web applications for students and faculty as part of an Agile team
- Implemented dynamic and responsive user interfaces using Knockout, HTML, and CSS
- Wrote well-tested back end code using Nancy and C#
- Architected and implemented REST API's
- Wrote automated regression tests for all new code

Web Developer

Jun – August, 2015

Faculty of Engineering & Applied Science at Queen's University

- Used gulp, SCSS, HTML & CSS to prototype a responsive redesign of faculty websites
- Implemented the new design on the faculty's CMS: Cascade Web Server
- Responsible for website analytics and remediation, fixing several hundred errors
- Developed bash scripts to find broken links in static files

PROJECTS

troywolters.com - Personal Website

- Created personal website hosting my writing and other content. Ability to log in to create, edit and delete articles that are written in LaTeX enabled markdown, all via my custom UI and backend

TECHNICAL SKILLS

Languages: JavaScript, Java, Haskell, C++, C#, C, bash, Python, TypeScript, MATLAB

Frameworks & Libraries: FOAM, node, Express, React, next.js, Nancy, Bootstrap, Knockout, Proxygen, pug/jade, gulp, Scss, Polymer, ramda, jQuery, BeautifulSoup

Databases: MongoDB, Postgres