



experienced and conscientious **full stack developer** trained in **business, sociology** and **computer science**

SKILLS AND EXPERTISE

FULL-STACK WEB DEVELOPMENT

- Extensive experience with HTML5, CSS3, and SASS
- Extensive experience with JavaScript, incl. ES6 and Node
 - Application frameworks: Vue, Angular, React, Express
 - Testing frameworks: Jest, Chai, Sinon
- Significant experience with PHP and PHP-based MVC frameworks
 - Extensive experience in Drupal 7 development; some experience with Drupal 8
 - Extensive experience with Wordpress theming and plugin development
- Proficient with accessible web design, incl. WCAG 2.0 standards
- Proficient with responsive and mobile-first web design and front-end optimization
- Proficient with RESTful API design

APPLICATION DEVELOPMENT

- Some experience with object-oriented programming in Java and C++
- Some experience with functional programming in Scheme and Scala
- Some knowledge of algorithms and run-time analysis

DATABASES

- Proficient with MySQL
- Working knowledge of Postgres
- Some experience with MongoDB

PROCESS AND DEPLOYMENT

- Extensive experience with Git
- Proficient in test-driven development
- Working knowledge of Gitlab CI/CD
- Working knowledge of Docker
- Some knowledge of Apache, Nginx

DESIGN AND ANIMATION

- Extensive experience with Adobe Photoshop and Illustrator
- Proficient with Adobe InDesign, AfterEffects, Flash, and Premiere

MISCELLANEOUS

- Proficient with regex, bash
- Fluent in English, Mandarin Chinese, French, and German

WORK EXPERIENCE

ONTARIO DIGITAL SERVICE, GOVERNMENT OF ONTARIO :: Toronto, ON

Senior Developer :: June 2018 - present

I'm a senior developer for the Ontario Digital Service, a digital transformation agency leading the modernization of Ontario services and changing government development culture.

- Co-led health team development, working on projects in partnership with the Ministry of Health
 - Built front-end search in VueJS with Elasticsearch backend for long-term care homes
 - Iterated and improved NodeJS REST API serving up long-term care homes data
- Sat on architecture guild steering tech roadmap and direction, including Drupal 8 migration
 - Developed guidelines for automated testing and accessibility standards
- Researched, selected, and implemented platform for Ontario design system in FractalJS
 - Developed CSS architecture standards and naming conventions
- Created and defined API development guidelines
- Advised Ontario Data Strategy team, particularly on cybersecurity risks and algorithmic impacts
- Served as secretary of People Board, a staff-elected ombudscouncil for culture and inclusion
 - Maintained meeting minutes and project managed individual contributors' commitments
 - Improved uptake of code of conduct, pronoun self-identification, and land acknowledgments
 - Held office hours to hear employee concerns, escalating to senior management if needed
 - Established lending library and discussion events for critical analyses of tech
- Mentored juniors through code reviews and pair programming, provided peer solutioning advice



COMMON SENSE MEDIA :: San Francisco, CA (full-time remote in Toronto, ON)
Senior Frontend Developer :: Aug 2016 - Aug 2017
Frontend Developer :: Jan 2014 - July 2016

I was the lead front-end developer on Common Sense Education, a Drupal 7-based resource that helped tens of thousands of K-12 teachers discover digital tools for creating media-rich lesson plans.

- Primary developer and coordinator on all front-end projects, including:
 - Mobile-centred re-design and re-theme of entire site
 - Headless API-based search and browser experience using AngularJS
 - Migration and integration of thousands of pieces of custom content
 - Expanded user profile and community experience, including social and newsfeed capabilities
- Designed and implemented products for creating classroom toolkits with custom content types
- Built standalone browsing tool for evaluating privacy policy tools using React and Express
- Guided UI and UX team in design system discovery research
- Advised CTO on team development and screened potential job candidates
- Advocated for more inclusive hiring practices by defining and documenting interview procedures
- Ongoing development responsibilities, including developing project specs and wireframe, QA and deployment, code review, and bug fixes and iterative improvements

EYE INTEGRATED COMMUNICATIONS :: Greenville, NC
Director of Technology :: April 2012 - Dec 2013

I was the solo developer on all agency web projects, working closely with the creative director to create modern, user-friendly designs which suited the strategic needs of our multinational clients.

- Advised creative director on client engagement and project estimates
- Developed and maintained client projects using Wordpress, including custom plugins
- Managed deployment and launch of client projects and provided ongoing support and training
- Developed email marketing templates and managed lists of tens of thousands of contacts

ERNST AND YOUNG LLP (FORMERLY RSM RICHTER LLP) :: Toronto, ON
Staff Accountant :: Sept 2011 - Mar 2012
Summer Intern :: May 2010 - Aug 2010

I provided compliance and review services to mid-market businesses ranging from retail, real estate, manufacturing, to professional services. I performed testing, reconciliation, and financial analysis.

OTHER RELEVANT EXPERIENCE

FREELANCE WRITER :: Various locations :: 2009 - present

I provide editorials on topics including ethics in tech, social justice, and pop culture. I founded Fight Fire With Phire (2016-2017), a Patreon-supported newsletter about US politics with 500+ subscribers.

MENTOR, LADIES LEARNING CODE :: Toronto, ON :: Jan 2012 - May 2016

I volunteered at adult and kids coding workshops, leading Intro to HTML/CSS and mentoring Intro to HTML/CSS, Intro to Wordpress, Intro to Photoshop, Intro to Drupal, and Intro to Python.

EDUCATION

Bachelor of Computer Science :: University of British Columbia, Vancouver, BC. 2016 - 2018.

Graduate Diploma in Accounting :: Queen's University, Kingston, ON. 2011.

Bachelor of Arts (Sociology) :: Queen's University, Kingston, ON. 2008 - 2011

Bachelor of Commerce, Honours :: Queen's University, Kingston, ON. 2007 - 2011.

OTHER INTERESTS

Politics and media analysis, critical studies of science and technology, urban planning, roguelikes and tower defence games and Stardew Valley, speculative fiction, Hamilton (the musical, not the city).