My Name

email@uwaterloo.ca | github.com/username | 911-lol-ice | Design Portfolio

PROFESSIONAL SUMMARY

- Passionate developer with eight years of experience and an eye for good design.
- Takes a leadership role and promotes a collaborative team environment.
- Expert-level in C++, Java, JavaScript, Linux, Python.
- Experienced with Agile, Bash, C, CSS, Docker, Git, HTML, JPQL, JUnit, Laravel, Node.js, PHP, React, Redux, Regex, SQL, Scheme, Spring, TypeScript, UI/UX.
- Advanced knowledge in algorithms and data structures, and computer vision.
- Earned Bronze medal at **Canadian Computing Olympiad** in 2017.

EMPLOYMENT

Core Software Developer | IBM (2018)

- Furthered the WRC Risk & Compliance distributed cloud product on Liberty server, DB2 database, react-redux, and Java back-end, involving Watson AI and Promontory.
- Customized Data Copy with bulk/single document and multiple mapping copy options.
- Revamped old React components with cutting-edge Carbon/Capital components.
- Improved performance time on table of contents for 10000+ page documents by 70%.
- Directly collaborated with operating management, team leads, lead designer, and QA to spearhead an interactive, UI/UX-centric tree mapping visualization with D3.js.
- Performed routine JUnit and front-end unit testing and integration testing.

Systems Analyst | [Deleted temporarily] Inc (2016)

- Supported and maintained back-end Linux server and network firewall.
- Set up and maintained company website and email server.

OPEN SOURCE PROJECTS

- **NoScope (2018).** Pioneered a cutting-edge, web app at Hack the North to diff images using AI and computer vision algorithms. [Python, Javascript, MongoDB, OpenCV]
- **Fright Before Christmas Clone (2017).** Created a full-featured shooting game. Iteratively reinvented the gameplay to cater to evolving user needs. [Python, Pygame]
- **Stock Sentiment Predictor (2016).** Wrote efficient back-end algorithms to efficiently process social media data from public API. [Python 3, MongoDB, Javascript]
- **Go Clone (2015).** Led team to create an automated, full-featured Go game. [Java]

AWARDS

- **Ocean Awareness Writing Contest (2018).** Written piece placed 9th out of 3000.
- **National Scholarship (2017).** $18,000 awarded to exceptional students.
- **Canadian Computing Olympiad (2017).** CCC top 29 in nation. CCO Bronze medal.
- **Euclid, 2nd school-wide (2016).** Grade 12 Waterloo contest during Grade 11 year.

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ADDITIONAL SKILLS AND EXPERIENCE

- **Spoken languages.** Nine years of French education to Grade 12. Fluent in Mandarin Chinese.
- **Operating systems.** Arch Linux, Linux Mint, Ubuntu, Windows, MacOS.
- **Software.** Blender, Eclipse, GIMP, GPG, Inkscape, Jira, OpenVPN, SSH, VirtualBox, Zenhub.
- **International competition project manager (2018).** Director of 100+ hour project involving four team members. Wrote and illustrated a 35-page one-shot manga, “Peace Keeper”, as an entry to Jump’s Universal Manga Contest on Medibang.
- **Computer Club President (2017).** Became president in the fourth year of club participation. Taught competitive programming; resulted in the first two CCO participants in our school, and an IOI participant. Managed diverse team of executives. Managed and raised club funds. Designed contests with hundreds of participants.
- **Newspaper Team Editor (2017).** Elected to the editor’s team after three years of being published. Worked with writers to get published in our award-winning paper.
- **Math Club Executive (2016-2017).** Became an executive in the third year of club participation. Prepared lessons and problems to train club members for contests.
- **Badminton Club Finance Executive (2016-2017).** Managed club funding.
- **School Prefect (2015-2017).** Hosted, managed, and ran events in a dynamic team.
- **Student Mentor (2014-2017).** Led and mentored new high school students.
- **Math School Champion (2013-2014).** Waterloo Pascal and Fryer contests.

EDUCATION

University of Waterloo. (Sept 2017 – April 2022 Estimated Graduation)

Candidate for Bachelor of Computer Science.

Highest GPA: 3.96 | Cumulative GPA: 3.74

Relevant Courses:

- Logic and Computation. Grade: TBD.
  - Proved propositional and predicate logics and correctness of functional programs.
- Object-Oriented Software Development. Grade: TBD.
  - Designed C++ programs using debuggers, exception safety, STL, and test suites .
- Designing Functional Programs (Advanced Level). Grade: 95%.
  - Studied functional programming in multiple Lisp dialects
  - Modelled RAM computation and stream generation in Racket
- Elementary Algorithm Design and Data Abstraction (Advanced Level). Grade: 83%.
  - Implemented functional language and compiler in imperative C language