

Richard KK WONG

✉ rk2wong@uwaterloo.ca
🐙 github.com/rwongone
🌐 [linkedin.com/in/richardkakitwong](https://www.linkedin.com/in/richardkakitwong)
☎ +1 (647) 801-4781

WORK EXPERIENCE

JAN '15- PRESENT



Cloud Platform Engineer at INKLING, San Francisco

Inkling eBook Import/Export Framework

- › Deployed and documented over ten new API resources to automate modification of eBook structure and content
- › Delivered functional Table of Contents for PDF Export beta release
- › Integrated platform with publisher API to report publishing standard violations in exported package
- › Employed productive testing and code review practices

MAY-AUG '14



Core Software Developer at IBM CANADA, Toronto

IBM Cognos Incentive Compensation Management

- › Resolved issues affecting client productivity in back-end (C#, Java) and user interface (WPF/XAML) of ICM Windows client and web application
- › Delivered SQL scripts to correct corrupted client models
- › Facilitated migration of continuous integration server from Hudson to Jenkins CI

PROJECTS

APR '15

Two-Factor Authentication LOGIN SYSTEM, Inkling

"Extra Credit" Hackathon

- › Prototyped TFA login flow with mobile authenticator app and Django

MAR '15

Scala Import Statement Formatter SUBLIME PLUGIN, Inkling

Personal Undertaking

- › Developed and documented tool to simplify adherence to the Inkling Scala style guide

SEP '14

Wiki Revision Watch TWITTER BOT, Side Project

Personal Undertaking

- › Developed Node app using Twitter, Wikipedia REST APIs to periodically tweet about frequently edited articles

FEB '14

FitBits PLUMBING UTILITY, Waterloo Rocketry Team

Personal Undertaking

- › Delivered Java application implementing BFS to find shortest sequence of plumbing bits to connect two open ends

JAN '14

Sentinences SENTENCE GENERATOR, University of Waterloo

Software Engineering Hack Day

- › Researched use of discrete-time Markov chains in statistical modelling
- › Deployed Ruby app to compute word frequencies in input and probabilistically generate strings of English words

ACHIEVEMENTS

- 2014 **Dean's Honours List** for exceptional academic performance in terms 1A, 1B, 2A
2013 **President's Scholarship of Distinction** for 95+% entrance average
2013 **Governor-General's Academic Medal** for top average in high school
2009-2013 **Waterloo Contest Distinctions** (Top 25%)
2013 > CANADIAN Computing Competition
2013 > EUCLID Mathematics Contest
2011 > FERMAT Mathematics Contest
2011 > CANADIAN Senior Mathematics Contest
2010 > CAYLEY Mathematics Contest
2009 > PASCAL Mathematics Contest
2012-2013 **AP Scholar with Honours** for exceptional performance on 4 AP exams
2013 > CALCULUS BC, *Level 5*
2013 > CHEMISTRY, *Level 5*
2013 > BIOLOGY, *Level 4*
2012 > COMPUTER SCIENCE A, *Level 5*
2013 **Lawrence Hart Memorial Award** for top math average in high school
2013 **Canadian Chemistry Olympiad Provincial Finalist** for exam performance
2013 **National Biology Scholar with Distinction** for 99th percentile
on National Biology Competition
2013 **Waterloo Chem 13 News Contest**, 98th percentile
2013 **Sir Isaac Newton Physics Examination**, 90th percentile
2012 **IBM CASCON Programming Competition**, 2nd place team, game AI logic
2012 **Avogadro Chemistry Examination**, 97th percentile

EDUCATION

- PRESENT Candidate for BACHELOR OF SOFTWARE ENGINEERING, **University of Waterloo**
CLASS of 2018
CS241 > COMPILERS and ASSEMBLERS, MIPS ASSEMBLY, MACHINE
LANGUAGE
ECE222 > LOW-LEVEL PROGRAMMING, ARM ASSEMBLY
SE212 > LOGIC and SETS, FORMAL VERIFICATION
STAT206 > PROBABILITY and STATISTICS, STATISTICAL COMPUTING

ACTIVITIES

- FALL '14 INTRAMURAL ULTIMATE FRISBEE, *Team M-SE Hammer*
ENGSOC FIRST-YEAR NEWSLETTER, *Article Contributor*
EUCHRE CLUB, *Member*
RECREATIONAL TENNIS, *Amateur Player*
SUMMER '14 ACOUSTIC GUITAR, *Routine practice at home*
DRIVING RANGE, *Limited proficiency, steadily improving*
SHOOTING RANGE, *9mm, .45ACP Glock, 12-gauge shotgun*
SPRING '14 FIRST ROBOTICS COMPETITION, *Volunteer*
UNIVERSITY OF WATERLOO ROCKETRY TEAM, *Honorary Member*

INTERESTS

- TECH API and back-end development, tackling difficult problems
READING Neuroscience, behavioural psychology, biomedical ethics, high fantasy
DRINKS Freshly brewed coffee, Jasmine, Oolong, English Breakfast, dry ciders