# Richard KK Wong

github.com/rwongone

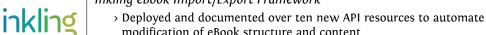
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### **WORK EXPERIENCE**

JAN '15- PRESENT

Cloud Platform Engineer at INKLING, San Francisco Inkling eBook Import/Export Framework



- 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

#### Scala Import Statement Formatter Sublime Plugin, Inkling MAR '15

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

#### FitBits PLUMBING UTILITY, Waterloo Rocketry Team FEB '14

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 2013 2013 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			
	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, 2 <sup>nd</sup> place team, game Al logic		
2012	Avogadro Chemistry Examination, 97th percentile		
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### **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

ТЕСН	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