

# Richard Dang

IB Computer Engineering | r22dang@uwaterloo.ca | (647) 717-0339 | 25 Ridge Road Toronto, ON M3M1C6

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## Summary of Qualifications

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- Experience in Java, C++, HTML, CSS, Python and Google Sketchup
- Familiarized with Arduino, C, JavaScript, Batch scripts, Android Studio and Git
- Strong analytical and problem solving skills developed from hardware and software projects
- Solid background knowledge of computers and mobile device components
- Effective oral and written communication, excellent organization and time management skills

## Projects

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### Intelligent Car, High School Computer Engineering Project (Feb. 2015- Jun. 2015)

- Designed and created a self-navigating vehicle in team of three with the ability to traverse a maze using Arduino and electrical components (i.e. H-Bridge, light dependent resistors and motors/gears)

### Tetris, High School Computer Science Project (Jan. 2014- Jun. 2014)

- Planned and co-programmed a chemistry education game in Java through implementation of OOP concepts
- Gained fundamental understanding of system structures in software design while working with class and activity diagrams in Unified Modeling Language (UML)
- Developed essential time management and teamwork skills through weekly reports and plans on progression of game development

## Work Experience

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### Software Tester & Tools Developer, GEO Semiconductor Inc. (Jan. 2016 – Apr. 2016)

- Responsible for testing firmware on engineering board and host software
- Created regression test plans
- Supported build system
- Developed and maintained tools for testing/development
- PLACEHOLDER
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### Technology Website Editor, IGXPro.com (Dec. 2011 – Aug. 2012)

- Conducted in-depth research on specifications of the latest electronic devices in order to review and publish technology articles - Profile: [igxpro.com/author/dangitsrichard](http://igxpro.com/author/dangitsrichard)

## Activities & Interests

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### Android Software

- Passionate to learn about new consumer technology and self-taught knowledge about rooting and modifying software on Android smartphones and tablets

### Road Bicycling & Weightlifting

- Constantly improving average speed and total distance travelled; exceeding 100km trips through consistent practice with other cyclists

## Volunteer Experience

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### Driftwood Community Center (2013 – 2015)

- Mentored younger students in Math and Science; planned annual picnic trips and events

## Certifications

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FIT Software Design and Development & Business and Information Analysis (2015)

Cisco IT Essentials Certified (2015)

WHMIS & Occupational Illness Certified (2014)

## Education

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### U. of Waterloo, Waterloo ON (2015-Present)

- Candidate for Bachelor of Applied Science Degree in Computer Engineering (Co-op)

### W. L. Mackenzie, Toronto, ON (2011 – 2015)

- Completed high school with a 94% average and received an Ontario Secondary School Diploma