

# Kevin Dang

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## CONTACT INFORMATION

25 Dogleg Crt  
Toronto, ON, M3J 3E6  
Phone: (647) 778 - 5759

E-mail: [dangkevin12@gmail.com](mailto:dangkevin12@gmail.com)  
LinkedIn: <http://linkd.in/KhJB61>  
Website: <http://k-dang.github.io>  
GitHub: <https://github.com/k-dang>

## EDUCATION

**Bachelor of Mechatronics Engineering (B.Eng)** Expected 2016  
McMaster University, Hamilton, ON (GPA 9.2/12.0)

## TECHNICAL SKILLS

**Programming:** Java, Python, Matlab, Maple  
**Web Development:** HTML, CSS, MySQL Databases  
**Tools:** Multisim, Autodesk Inventor, Adobe Premier Pro, Adobe Photoshop CS 6, Latex, Microsoft word, Microsoft excel, Microsoft PowerPoint  
**Experience with:** Windows OS, C, JavaScript, Git, myDAQ, MapleSim, Bread Boards, Active circuit elements such as: Op-Amps, Comparators, Latches, Clocks

## RELEVANT PROJECTS

**Calendar/Day Planner** June 2012

- Designed and developed a day planner with a calendar in Java.
- Performed actions such as adding holidays and birthdays to the calendar and keeps track of all information using text files
- Gained experience with object oriented programming principles and learned how to create GUI applications with Java swing package

**Delta Sigma ADC** January 2014 – Present

- Designed, simulated, and built a delta-sigma analog to digital converter using commercially available circuit elements
- ADC converter was able to convert frequencies of 0-100 Hz to a digital output represented with LEDs
- Obtained valuable experience with active and passive circuit elements
- Developed strong understanding of limitations between simulation stage of design to actual implementation

**Calculator** April 2013

- Built a simple calculator in Java that performs all basic arithmetic operations along with having different options; Integer mode or Decimal mode
- Gained experience with modularity and event handlers
- Learned unit testing for applications through test cases with JUnit

## WORK EXPERIENCE

**ACVS Tester** May 2013 – September 2013  
*Tyco Security Products, Toronto, ON*

- Main product tester for their newest line of cameras at the time(Illustra PTZ)
- Developed problem solving and analytic skills through programming circuit boards, testing cameras and running quality checks on both ends of production
- Gained valuable teamwork experience through collaborating with testing engineer to ensure a smooth and safe testing stage

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## EXTRA- CURRICULAR ACTIVITIES

<b>Student Member</b> , McMaster Chinese Student Association	September 2012 – Present
<b>Student Member</b> , McMaster Engineering Society	September 2012 – Present
<b>Student Member</b> , McMaster Mechatronics Society	September 2013 – Present
<b>Student Volunteer</b> , Northview Heights Secondary School	2010 – 2012

- Main scorekeeper alongside official referee for high school level competitions
- Responsibilities included keeping track of all timeouts, player swaps , and score keeping
- Learned to work under pressure and with fast-paced environment conditions

<b>S.T.E.A.M Charrette</b> , George Brown College School of Design	January 2012
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- Member of a S.T.E.A.M.(Science, Technology, Engineering, Art, Math) team that was made up of individuals chosen based on their strengths in different fields of design
- Drafted a design proposal directed towards improving school spaces and improving the overall atmosphere
- Presented a final draft of the proposal which included Google SketchUp models to school principal and the director of design at George Brown College

## AWARDS

<b>McMaster Entrance Scholarship</b>	September 2012
Awarded to students with an entrance average above 85%	
<b>Ontario Scholar</b>	June 2012
Awarded to Students with above 80% in 6 grade 12 courses	

## REFERENCES

Available upon request.