Kevin Dang

CONTACT
INFORMATION

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GitHub: `https://github.com/k-dang`

EDUCATION

Bachelor of Mechatronics Engineering (B.Eng)   Expected 2016
McMaster University, Hamilton, ON   (GPA 3.5/4.0)

TECHNICAL SKILLS

Programming: Java, Python, Matlab, C, C++
Web Development: HTML, CSS, MySQL Databases, PHP, JavaScript, j Query, Node.js, AngularJs,
Tools: Eclipse, Git, Keil uVision, TortoiseSVN, Multisim, Autodesk Inventor, Adobe Premier Pro, Adobe Photoshop CS 6, Latex, Microsoft word, Microsoft excel, Microsoft PowerPoint
Experience with: Windows OS, Linux, Git, myDAQ, MapleSim, Bread Boards, Arm Processors,

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RELEVANT
PROJECTS

Building Bridges Website (`http://buildingbridges.paperplane.io`) August 2014 – Present

- Built McMasters' Building Bridges website from ground up
- Developed with HTML, CSS, Javascript, and Bootstrap Framework
- Gained experience with Front-end design and development

Delta Sigma ADC   January 2014 – April 2014

- Designed, simulated, and constructed 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

Calendar/Day Planner   June 2013

- Created a day planner with a calendar in Java
- Performed actions such as adding holidays and birthdays to the calendar and kept track of all information using text files
- Gained experience with modularity, object oriented programming principles, and event handlers
- Learned unit testing for applications through test cases with JUnit

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WORK
EXPERIENCE

ACVS Tester   June 2013 – September 2013
Tyco Security Products, Toronto, ON

- Main product tester for their newest line of cameras at the time(Illustra PTZ)
- Improved 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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VP Communications, McMaster Building Bridges   September 2014 – Present

- Responsibilities include planning events for general members, connecting with affiliated organizations and increasing awareness about the club
- Created website to increase availability of information about the club to the public

VP Academics, McMaster Software Engineering Club   September 2014 – Present

- Co-ordinates info sessions and workshops to teach general members the basics of programming languages
- Collaborates with similar clubs to form joint events and joint tutorials on coding

S.T.E.A.M Charrette, George Brown College School of Design   January 2012

- 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

McMaster Deans' Honour List   April 2014
Awarded to students with GPA above 9.5
McMaster Entrance Scholarship   September 2012
Awarded to students with an entrance average above 85%
Ontario Scholar   June 2012
Awarded to Students with above 80% in 6 grade 12 courses

REFERENCES   Available upon request.