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| |  | | --- | | Jacob Nielsen | | Date of birth : 13 March 1991 | | |  | | --- | | **Contact** | | Tel : (226) 201-0430  e-mail : jknielse@uwaterloo.ca  40 Karch St. Cambridge, Ontario N3C1Y5 | |
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| |  | | --- | | **Profile** | | |  |  | | --- | --- | | **Present Objective**  **General Goal** | I am looking for a coop position for the Spring and Fall terms  To further my knowledge in the field of mechatronics | | **Availability** | Immediate | | | |
| |  | | --- | | ***Key Skills/Attributes*** | | Proficient in:   * Java * Scheme * Visual Basic * C * C++ * Turing * Assembly * Basic electrical design and production skills including gate logic analysis and soldering * Mechanical problem solving and spacial reasoning * Some machining experience on a metal lathe and mill. * Inquisitiveness * Affability | | |
| |  | | --- | | **Education** | | |  |  | | --- | --- | | **2009 to 2010** | Dean's honour list member for the 1st term in Mathematical Physics  University of Waterloo | | | |
| |  | | --- | | **Collateral Learning** | | |  |  | | --- | --- | | **2007** | Computer Camp (Through the University of Toronto) |  |  |  | | --- | --- | | **2001 and 2002** | ESQ (Through the University of Waterloo) |  |  |  | | --- | --- | | **2008** | Quantum Cryptography Summer Camp (University of Waterloo affiliated) |   Participation in the University of Waterloo Mathematics Competitions including:  The Gauss (both), Pascal, Fryer, Cayley, Galois, Fermat, Hypatia, and Euclid math contests    Consistent participation in all school bands throughout highschool, as well as band workshops  at Laurier University. | | |
| |  | | --- | | **Work Experience** | | |  |  | | --- | --- | | **Len's Mill Store, Cambridge, Ontario** | **Part-time job** | | **Sale's floor staff** | **October 2006 to August, 2009** | | * Customer service * Cleaning * General labour | | | | |
| |  | | --- | | **Volunteer Experience** | | |  |  | | --- | --- | | **W. G. Johnson Centre, Cambridge, Ontario** | **Monthly volunteer experience** | | **Setup Staff** | **October 2006 to August, 2009** | | * Customer service * Setup, and tear down * Over 70 hours volunteered | | | | |
| |  | | --- | | **Activities and Interests** | | |  |  | | --- | --- | | **Programming** | Open GL / GLSL experimentation in C++ | | **Mechanical** | Currently constructing a 3D printer (powder type, driver circuit not yet built) | | **Music** | French horn and guitar | | | |
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| |  | | --- | | **References** | | |  | | --- | | **Available upon request** | | | |