

ABHISHEK KAUL

Computer Engineering

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[GitHub](#) [LinkedIn](#)

Summary of Qualifications

Front-end:	HTML , JavaScript , JSON , CSS , SQL ➔ Online courses, made website (https://www.akaul.me)
Back-end:	Java : Project Euler questions. C# : Project Euler questions. C++ : GNU compilers <i>MinGW</i> and <i>Cygwin</i> ; command-line compiling and debugging Python : Online courses, custom libraries (SciPy, NumPy, etc.)
Others:	VBScript : Simple programs, ex.: eject CD-drive when “Enter” is pressed. Windows Batch Scripting : Fun programs, ex.: small story with user interaction
Programs:	Eclipse, NetBeans, BlueJ, Visual Studio, CodeBlocks, Theano, TensorFlow, Keras, and Anaconda. GitHub, Command Prompt, Powershell, Microsoft Word, PowerPoint, Excel, and Publisher, and Photoshop.
Other skills:	■ <u>Hardware</u> and <u>software</u> troubleshooting, hardware replacement ■ Professional communication: technical report writing (fuel cell boat project) and working with school administration for NHS projects.

Experience

TRAINEE INTEX TECHNOLOGIES (INDIA) LTD.

JULY 2013

- Computer troubleshooting, BIOS-level software installation, assembling and disassembling a computer.
- Solved Project Euler questions (math + programming combined) using my knowledge of programming logic (ex. recursion).
- Tested my knowledge of JavaScript, HTML, and CSS by making local webpages combining the three.
- Fuel cell boat project
 - Technical report writing experience
 - Teamwork, time-management, and leadership experience (took charge of establishing goals, assessing progress, making decisions, delegating tasks amongst group, etc.)
- Experienced with visually assisted (ex. PowerPoint) presentations, created technical spreadsheets
 - Made a spreadsheet that accurately took into account variable weightages and calculated current/final grade each course with many variables (ex. quiz scores).
- CMD: Made batch files (simple programs that made use of Notepad and Command Prompt for fun), used a GNU compiler with Command Prompt.
- Used leadership, empathy, and communication skills to lead a younger set of volleyball and badminton players to a positive year of improvement in attitude and skill.
- Used my professional communication skills to help coordinate projects, such as *Miles for Smiles*, between the NHS and school administration throughout the year.

SELF FIXING MY LAPTOP

APRIL 2017

- Full reset of Windows OS via emergency recovery partition
 - Registry corruptions affected bootup and caused systemic BSODs
- Replaced my hard drive after careful systematic troubleshooting
 - Uncorrectable sector count and read error rate crossed threshold
 - Imminent HDD failure
- Resolved hardware issue regarding CD-ROM tray ejection failure

Volunteer Experience

7 CUPS OF TEA

Trained Active Listener

Details: In my role as a trained active listener, my primary responsibility is to provide emotional support for individuals struggling with a variety of mental health issues. Active listening involves non-judgmental support and use of micro-skills like reflection, summarizing and empathizing. I received training and passed assessments on several topics such as but not limited to breakup advice, sexual abuse, ADHD, and bullying. Additionally, I served as a member of the broader listener community and helped with peer support and growth of the overall organization through community outreach and collaboration.

UW MATES

MATES stands for Mentor Assistance Through Education and Support, and I am part of the group selected for the Fall 17 school term.

Activities and Interests

- Sports: badminton, cricket, table tennis, volleyball, basketball, and futsal.
- Music: drums (5 years) & guitar (3 years)
- Psychology
- National Honour Society (NHS), 2 years, *Surabaya Intercultural School*

Education

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied Sciences, Computer Engineering

September 2016 – June 2022

Linear circuits, Linear Algebra, Calculus I, C++ programming

SURABAYA INTERCULTURAL SCHOOL

American High School Diploma

August 2012 – May 2016

AP: Psychology, Computer Science, Calculus, Chemistry, Physics. 90%+ average grades 11 – 12

Awards & Accomplishments

- President's Scholarship of Distinction (Waterloo)
 - Achieved $\geq 95\%$ admission average coming into the university
- Honour/high honour roll in 11th and 12th grade
 - Honour roll: no grades below 70%, and average above 87.5%
 - High honour roll: no grades below 90%, and average above 90%
- Badminton (7th - 12th): Captain (12th), Most Valuable Player, Team Spirit, Most Improved Player
- Volleyball (9th - 12th): Captain (12th), Most Valuable Player
- World Scholar's Cup: Debate showcase school representative
- Drumming: 5th place in competition, 11th grade high school jazz band