ABHISHEK KAUL

Computer Engineering
Term 1A
University of Waterloo

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Summary of Qualifications

- Front-end: *HTML*, *JavaScript, JSON*, *CSS*, *SQL*. Online courses.
  - Website built using HTML, JavaScript, and CSS.
- Back-end: *Java*, *C# (*Visual Studio IDE), *C++*, *SQL, Python*
  - 6 months' experience with *Java*, 1 year *C#*, 6 months *C++*
  - *Python* online courses (with Scipy, Numpy, etc.), Windows environment (custom libraries, *Theano*, *Tensorflow*, *Keras*) with *pip*, *Anaconda*.
  - Alternated between *Java* and C# to solve Project Euler questions.
- Other: *VBScript*, *Windows Batch Scripting*
  - Simple programs made for fun during middle and high school.
    - Ex: Eject CD-drive in 10 seconds; made a small story with user interaction in a batch file.
- Basic hardware and software troubleshooting, hardware replacement
- GitHub, Command Prompt, Powershell, Microsoft Word, PowerPoint, Excel, and Publisher, and Photoshop
- Captained volleyball and badminton teams (high school)
- Professional communication experience from 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.
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- Solved Project Euler questions 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
- Wrote essays, made presentations, and created spreadsheets among other things during high school
  - In university made a spreadsheet that accurately considered weightage and calculated current/final grade each course with many variables (ex. final exam scores) that change the weightage.
- Made batch files (simple programs that made use of Notepad and basic for fun as well as 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.
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SELF-ISSUED 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 issue regarding CD-ROM tray ejection failure

Volunteer Experience

7 CUPS OF TEA

- Position: 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.

Activities and Interests

- Badminton team captain, part of the team for 6 years, *Surabaya Intercultural School*
- Drumming (4 years)
- Volleyball team captain, part of the team for 4 years, *Surabaya Intercultural School*
- Psychology
- National Honour Society (NHS), 2 years, *Surabaya Intercultural School*

Awards & Accomplishments

- President's Scholarship of Distinction (Waterloo)
  - o Achieved $\geq$ 95% admission average coming into the university
- Honour/high honour roll in 11th and 12th grade
  - o Honour roll: no grades below 70%, and average above 87.5%
  - o High honour roll: no grades below 90%, and average above 90%
- Badminton (grades 7 to 12)
  - o Team captain (senior year)
  - o Most Valuable Player
  - o Team Spirit
  - o Most Improved Player
- Volleyball (grades 9 to 12)
  - o Team captain (senior year)
  - o Most Valuable Player
- World Scholar's Cup
  - o Selected for debate showcase ahead of all the other students representing my school
- Drumming
  - o 5th place in a drumming competition
  - o 11th grade high school jazz band

Education

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied Sciences, Computer Engineering
September 2016 – June 2022
Linear circuits, 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