VATSAL PARMAR

Computer Engineering Student

PROFILE

I am an international student currently enrolled in the field of applied sciences. My interest in technology was passed on to me by my dad who turned out to be also a computer engineer himself. Since childhood, I was exposed to a technological environment which made me become more familiar and slowly built my curiosity about these machines.

I have developed a strong sense of teamwork and leadership through my two hobbies of basketball and CS:GO.

CONTACT

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LINKS:
www.github.com/vatsalp98
www.linkedin.com/in/vatsalparmar98/

EDUCATION

Simon Fraser University - Burnaby
September 2015 - Present
Bachelor of Applied Sciences

WORK EXPERIENCE

SFU IT Services General IT & AV support
September 2019 – December 2019
Installing and configuring computer hardware, software, systems, networks, printers and scanners. Monitoring and maintaining computer systems and networks. Responding in a timely manner to service issues and requests.

Math4Me Mathematics tutor
March 2019 – December 2019
Helping High school Kids get through their daily assignments in Mathematics, Sciences and French. Explain different topics which they have problems with and try to give them tips and tricks about remembering various theories.

Goopter Holdings INC Junior App Developer Intern
May 2018–July 2018
Fixing various bugs faced by the business model of the application,
Testing various test cases on newer version of the application,
Learning specialized languages like Kotlin for android development.

STNT-TG IT helpdesk Technician
June 2014-July 2015
Going through day-to-day activities like routine checks gave me a better understanding of how the IT world in a real work environment and helped me develop an expert troubleshooting skill for various issues around the office. This job helped develop a sense of responsibility because of my on-call duties which must be solved in a timely manner.

SKILLS

Programming languages (over 5000 lines):
C++, C, MatLab, Python, JavaScript, VHDL, Html, Php, Css, XML, LaTex,ss

COURSEWORK

Calculus I, II and III
Applied Linear Algebra
Data Algorithms
Numerical Analysis I
Linked Lists
Circuit design and Logic
Functional programming
MATLAB problem modeling
Electric Circuits
Discrete Mathematics I, II
Ordinary Differential Equations
Android App Development
JavaScript Front End Development
Probability and Statistics
Soldering

HOBBIES

Coding
Building Projects
Counter-Strike: Global Offensive
Table-Tennis
Cooking
Doodling
Hiking
Drawing
3d Printing
Laser cutting and edging

Spoken Languages (Fluent):
French, English, Hindi, Gujurati, Urdu,

PROJECTS

Smart Home prototype
Jan 2016 – April 2016 | Burnaby, CA
Created A wooden sculpture of a house having all the different smart sensors, like water consumption, energy consumption, A/c or heater controller. The house we created could warn the user when the consumption of A resources is being wasteful in the house.

Exploring the Mandelbrot Set
Sept 2015 - Dec 2015 | Burnaby, CA
Generating the Mandelbrot set in a graphical environment and manipulating the given image on the output. The manipulation included zooming into a certain point of the set, panning through 2 given points on the set, changing the color scheme of the graphical environment.
https://www.youtube.com/watch?v=ZZllCbi3mGk

Multiple Android Applications
January 2018 - Present | Burnaby, CA
Developed Multiples Applications from simple games like a Brain Trainer app to more complex applications using API's. You could access all the different codes to these applications on my GitHub account.
https://github.com/vatsalp98

Air Core Inductor and AM Radio
November 2018 | Burnaby, CA
The design of the inductor was to wrap tightly a copper coil wire around a PVC pipe, while putting taps after every decided numbers of turns of the wire. This gave us our air inductor which then helped us in making a functional AM radio with various components like a tuner, diodes, AM waves antenna. We were able to neatly hear 12 different radio stations through our DIY AM radio.

VOLUNTEERING

Restoration of an Historical site (Slave house of Togo)
February 2015 | Togo, Africa
Cleaned the whole house of dirt and cleaned the underground slave storage of the house. Repainted the walls of the house and tried to restore the house as a historical site for the Togolese Republic.

Public High School
February 2015 | Togo, Africa
Created multiple groups of people who had alternating shifts in teaching the kids different subjects in which they are specialized. I taught the children Science subjects like Math, Physics, Chemistry and Biology.

EXTRA-CURRICULAR ACTIVITIES

Sports (Advanced):
Basket-ball, Table-Tennis, Tennis, E-sports (CS: GO), Cricket, Soccer, Squash
Martial Arts:
Aikido, Tae-Kwon-Do, Judo
Miscellaneous:
2015   Togolese Red Cross First Aid Certificate
2017   1st place at the Microsoft CS:GO LAN Event at Metropolis Metrotown

Nothing is so fatiguing as the eternal hanging on of an uncompleted task.

William James