

Yuvraj Khosa

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About Me

Hands-on eager learner proficient in multiple different programming languages. Extremely goal oriented and diligent. Always learning new programming tricks and researching new topics like machine-learning on my own. Hard worker and very willing to work with others. Coding for over 3 years. Self-directed and motivated developer fluent in Python, Java, and JavaScript.

Volunteer Experience

UBC GEERING UP JUNIOR INSTRUCTOR (SUMMER CAMP & LET'S TALK TECH) | JULY 2019 – FEBRUARY 2020

- Teach and engage young students about STEM topics which include coding
- Help students solve critical thinking coding challenges
- Supervise students during recess and lunch
- Work as a team with other Junior Instructors to create a safe learning environment

SURREY GIFTED EVENT LEADER | NOVEMBER 2019

- Engage students in philosophical discussion, while making sure everyone gets a chance to talk
- Invigilate a creative construction challenge
- Host a "Reach for the Top" game
- Answer questions or concerns

Education

STUDENT GRADUATING IN 2021 | FRANK HURT SECONDARY

- Member of BC gifted program
- 4.0 GPA

Awards

- Excellence in Math, Science, French, English, Band, and Jazz Band.
- Part of 2019 Surrey Junior-Senior REC Jazz Band
- Merit distinction for "A" honors
- 3rd place winner in Surrey Youth STEM innovation challenge
- Winner of 2017 Surrey Science Competition Trivia Challenge

Skills & Abilities

PROGRAMMING SKILLS

Python, Java, Web Development, C/C++, Lua, Git, RESTful APIs, Asynchronous Programming, Object-Oriented Design, Advanced critical thinking, Algorithm implementation.

COMPUTER SKILLS:

Microsoft Office, Touch Typing, Hard-Working and takes initiative, Adobe CC

SOFT SKILLS:

Strong Communication Skills, Works well individually or with a team, Native speaker in English, Punjabi, Hindi, Conversational in French

Projects

WORD SEARCH SOLVER - JAVA

Application made with Java and Tesseract OCR. User imports a word search and word bank. The application will solve the word search using OCR. Demonstrates knowledge of working with GUI and 2-dimensional array algorithms.

<https://github.com/yuvrajkhosa/WordSearchApp>

WATCH YOUTUBE WITH FRIENDS – NODE.JS

Web application made using node.js and JavaScript. Multiple clients can simultaneously watch YouTube videos together. Any actions (playing, pausing, switching the video, seeking) is simultaneous between all clients. Supports usernames and blocking users.

<https://github.com/yuvrajkhosa/uvyoutube> (demo available)

JAVASCRIPT PROJECTS - JAVASCRIPT

Collection of JavaScript projects made over the years demonstrating understanding of vector math, asynchronous JavaScript, real world simulations, client-side and server-side programming, trigonometry, and web development.

<https://github.com/yuvrajkhosa/JavaScriptProjects> (demo available)

Hobbies

I love to talk to others and I'm very outgoing. I have been awarded top player in Band 2 years in a row. I play drums for my school band in 4 separate bands. I love coding and continue to practice writing readable, and efficient code. I have done some programming with networking, specifically NodeJS. When I'm not learning new things or coding, I love playing sports outside. Volleyball is my favorite, but I played soccer for more than 6 years.

All personal projects

<https://github.com/yuvrajkhosa>

References

Mrs. Lara Antrobus, Teacher

Frank Hurt Secondary

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Mr. Darren Yung, Teacher

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