Sayma Khan

Dual CItizen of USA and Canada

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Skills

- **Programming Languages:** C++, Python, Java, SQL, HTML5, CSS3, and Javascript.
- **Tools/Libraries/SDK:** Node.js, Bootstrap 4, Android Studio, Firebase, Microsoft Visual Studio, VS Code, Eclipse and CLion, and Pycharm.
- **DevOps:** Git/Version Control, Windows Command Line, Bash.
- **UI/UX:** Figma, Canva and InVideo.

Experience

TAMVOES — Junior Software Developer — Waterloo, ON, CA　　　　　　　**JAN 2020 – AUG 2020**
- Work with UI using HTML/CSS/JS and front-end framework Bootstrap 4 on Node.js runtime environment.
- Integrate payment gateway front-end and back-end with Square API so users could register for premium accounts.
- Help make critical decisions for prototype/MVP launches and business pitch competitions to gain funding, investments and consumers.
- Reach 200+ users by using Canva and InVideo to design promotional merchandise and product advertisements.

ACADEMIC ENRICHMENT — Tutor — Ottawa, ON, CA　　　　　　　**SEP 2016 – JUN 2019**
- Taught Math, Computer Science, English and French to students.

MATHLETES — Executive of Advertising — Ottawa, ON, CA　　　　　　　**MAY 2018 – JUN 2019**
- Started a nationwide initiative called "Why do we need math?" to promote the importance of mathematics and numerical skills in all academic disciplines.

Projects

Hackathons (General)　　　　　　　**SEP 2019 – PRESENT**
- Accepted to/participated in Hack Harvard, Yale Hacks, uOttaHack and Hack the North.
- Created a database on Firebase to train Machine Learning modules to make predictions for provided labels (form study groups based on user personality traits).

Encryptor/Decryptor — C++　　　　　　　**NOV 2019 – DEC 2019**
- Implemented program that can encrypt plaintext and decrypt ciphertext using bit-shifting and ASCII Armor algorithms.

Linear Equation Calculator — Java　　　　　　　**OCT 2018 – NOV 2018**
- Used Object-oriented programming to create a program that can determine the equation of a line.
- Program will output equations in various formats (standard, point-slope and slope-y-intercept).

Contact Book Application — Python　　　　　　　**DEC 2017 – JAN 2018**
- Created Python application that reads, writes and saves text from user input.
- Used Python Turtle module for program graphics (visuals).

Khan Design　　　　　　　**APRIL 2018 – AUGUST 2019**
- Founded and designed a website that sells logos, posters, merchandise and other designs to help promote organizations, clubs and initiatives.

Education

University of Waterloo, Faculty of Engineering, Waterloo, ON, CANADA
Candidate B.Sc. in Honours Electrical Engineering　　　　　　　**SEPTEMBER 2019 – APRIL 2024**