

Alex Koen

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Summary

- First year engineering student at the University of British Columbia (average 92%).
- One year of experience designing and building web and mobile applications for healthcare professionals.
- Excels as part of a team, both in leadership and peer environments.
- Currently working to apply computer vision technology to surgical robots.
- Effectively communicates ideas, both interpersonally and in writing.
- Learns quickly and has a propensity for getting things done.

Relevant Skills

Development Javascript, React-[Native], Python, C++, OpenCV
Tools Git, Linux, Figma, Emacs
Languages English, French
Certifications CSIA Level 2, Red Cross First Responder

Work & Volunteer Experience

Head Designer & Software Developer

Vancouver, BC

MEDICAL APPLICATIONS IN SOFTWARE TECHNOLOGY - UBC BEST

Sept. 2019 - Present

- Worked with the Vancouver General Hospital and the Vancouver Radiology Institute to develop a web and mobile application for paramedics and emergency department radiologists.
- Completely redesigned the user interface to provide an intuitive and seamless experience.

Research Assistant

Vancouver, BC

MEGHA KALIA (PHD CANDIDATE, UBC) - AUGMENTED REALITY FOR SURGICAL ROBOTS

Apr. 2020 - Present

- Currently developing a motion parallax system to provide surgeons with improved depth perception when operating using the DaVinci surgical robot.

Vice-Chair of Communications & Web Designer

North Vancouver, BC

YOUTH COUNCIL OF JONATHAN WILKINSON, MINISTER OF THE ENVIRONMENT AND CLIMATE CHANGE

Oct. 2018 - Jun. 2019

- Elected as Vice-Chair of Communications after displaying a dedication to the council and an exemplary ability to communicate.
- Worked directly with the Minister and the media to present projects to the public.
- Built a responsive website from scratch to showcase our event, *Youth Visioning Our City's Future*, to the general public.

Ski Instructor

North Vancouver, BC

GROUSE MOUNTAIN RESORTS

Dec. 2016 - Apr. 2019 (Seasonal)

- Worked with clients of all ages to provide them with a positive and memorable experience.
- Earned the Level 2 instructor certification within a year of employment and gained a higher level of responsibility within the department.

Head Writer

North Vancouver, BC

HANDSWORTH THEATRE PROGRAM

Jun. 2018 - Apr 2019

- Co-wrote an original play, *Cast Iron Lily*, for over 200 cast members and which sold over 3500 tickets.
- Improved ability to write concisely and effectively.

First Responder Volunteer

North Vancouver, BC

21ST CAPILANO MEDICAL VENTURERS & HANDSWORTH FIRST RESPONDERS TEAM

Summer 2015 - June 2019

- Elected as president of the Handsworth First Responders Team.
- Helped others by working as a team to provide First Aid to those in need.

Awards

Sept. 2019 **BC Achievement Scholarship**, Top 8,000 graduating students in the province
June 2019 **Ray Noel Citizenship Award**, Scholarship recipient
May 2018 **2018 Provincial Concours d'Art Oratoire Winner**, Grade 11 French Immersion category