Sina Khalili

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Experience

Fireout.io   Vancouver, BC
Startup Co-founder   *September 2017 to March 2018*
Started a company to create an automated fire extinguisher IoT device using machine vision, with two other friends in second year of university in order to pursue a project completely and teach myself business. Main accomplishments:

- Developed and maintained the codebase for both the hardware controlling the nozzle of the device as well as the main system running the identification software, with two other developpers.

- Trained a YOLO machine vision model to correctly identify fire using only video.

- Maintained installing various CUDA dependencies and python packages on multiple operating systems to ensure programs would run on all systems.

- Pitched business idea to multiple retailers, mentors, and others in order to quickly get feedback on our ideas.

- Oversaw the spending of our 15,000 dollar seed round.

Dawson Realty Experts   Coquitlam, BC
Business Administration and IT   *February 2016 - February 2017*
Did business admisnistration and light IT work for realty company.

- Took a decade of paper documents and put it into a database for quicker access, and then imported that database into a new company CRM.

- Installed various anti-virus tools and disinfected some infected office computers.

SFU multimedia   Burnaby, BC
Video Producer   *October 2016 - January 2017*
Worked with the SFU multimedia team on many projects to create videos about Simon Fraser University and engage students. Videos attracted over 20,000 views.

Academic Projects, Personal Projects & Comptetions

VANSASH – *Hackathon, 1st place*
 Created analysis of turnovers in powerplays based on player using python and R.
LED light panel – *Embedded Systems Project*
 Created an LED lightboard which could be controlled from a web client.
3d Tic Tac Toe – *Web development class project*
 Created a 3d tictactoe game with a full working lobby system primarily using NodeJS Sockets.
Personnal Website – *Personal Project - sinakhalili.com*
 Made a personnal website to showcase my github and linkedin. Uses JS library scrollmagic for a pleasant UI.
Hack the North – *Hackathon*
 Created a chat app that helps you decide on a route to run using Microsoft Azure and Google Maps.
Android Walking School Bus App – *Software Engineering class project*
 Designed, implemented, and tested a fully functional android app over four months.
Other Relevant Competitions Lumohacks, EduHacks, GoogleCTF, SwampCTF.

Education

Simon Fraser University   *January 2016 - Present*
BAsc, Computer Science
Upper division courses: Embedded Systems, Networking II, Discrete Math III, Calculus III.

Academic Awards

Graduation Programs Examinations Scholarship – *1000*   Vancouver, BC *September, 2016*
SFU Entrance Scholarship– *1000*   Vancouver, BC *September, 2016*
Coquitlam Foundation Award – *500*   Vancouver, BC *September, 2016*

Skills

Technical
C, C++, Embedded Linux, Javascript, JSX, NodeJS, HTML/CSS, Python, Machine Learning, Vim, Most Posix-Compliant OSs (Linux, OpenBSD), Java, Android Studio, Bash, tmux, GDB.