

Davanjit Sandhu

SOFTWARE DEVELOPER

Davanjit@hotmail.com

(519) 816-8130

Windsor ON, Canada

EXPERIENCE

Software Developer

Champion Products Corp. (Jan 2024 - Present)

- Created a website for warehouse workers that monitors employee activity.
- The website uses React.js on the front end and Node.js/Express.js on the back end as well as a MSSQL database and is hosted on Azure via a Docker container.

Website Development Intern

Maxx Printing (Sep 2023 – Jan 2024)

- Worked on the front-end of websites for clients, mainly used React.js and Bootstrap.js

Software Developer Intern

Gao Tek Inc. (Aug 2021 – Nov 2021)

- Worked on the protocols development team.
- Translated documents relating to VoIP into C code.

EDUCATION

University of Windsor

Sep 2016 – June 2021

Bachelor of Computer Science with a Minor in Political Science

SKILLS

Software Development

C, C++, C#, Java, Kotlin, Python

Web Development

Basics: HTML, CSS, JavaScript/TypeScript

Frameworks: React.js, Next.js, Laravel, Angular

Backend: Node.js, Express.js

Styling: SCSS/SASS, Bootstrap.js, Tailwind

Databases: MySQL, MSSQL, MongoDB, Mongoose

Hosting: Azure, Netlify, Heroku, GitHub Pages

Other: Git, Docker, AJAX, Redux.js, PHP, Vite, Jest, Cypress, API's

Android Development

Android Studio, React Native, Expo

Game Development

Unity, Godot, Phaser.js, Love2D, PyGame, Babylon.js, GameMaker, GameMaker 2, Godot

LINKS

Website

<https://dav-sandhu.github.io/Personal-Website/>

GitHub

<https://github.com/Dav-Sandhu>

LinkedIn

<https://www.linkedin.com/in/davanjitsandhu-496200211/>

RECENT PROJECTS

My Portfolio can be found on my website:

<https://dav-sandhu.github.io/Personal-Website/portfolio>

(Or alternatively you can go onto my GitHub)

Note: Some applications I have worked on are private for various reasons and thus I only showcase the public ones.

Workforce App (Champion Products Corp.)

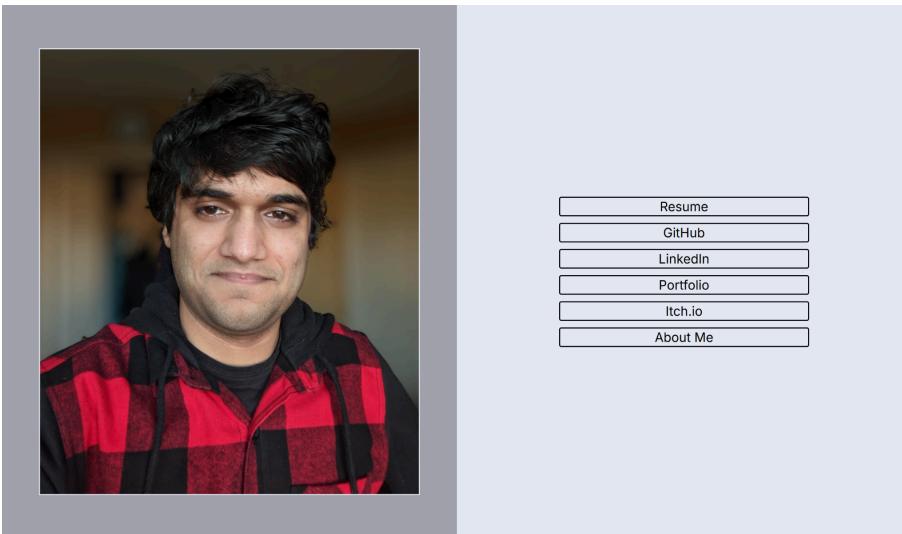
<https://github.com/Dav-Sandhu/WorkForce-App>

- This is an application that monitors employee activity by having them sign in and update what they are doing at any given moment on the app which is then collected as a .csv file by the admin user. The website uses React.js on the front-end and Node.js and Express.js on the back-end. It is privately hosted on Azure via a Docker container and uses many Azure services such as the SQL and email services. The website also has face unlock for members who create an account.

Personal Website

<https://github.com/Dav-Sandhu/Personal-Website>

- This is my personal website where I showcase my work samples, resume, as well as links to my other social media profiles. This is the updated 2024 version of the website made using Next.js via a mix of client-side and server-side rendering.



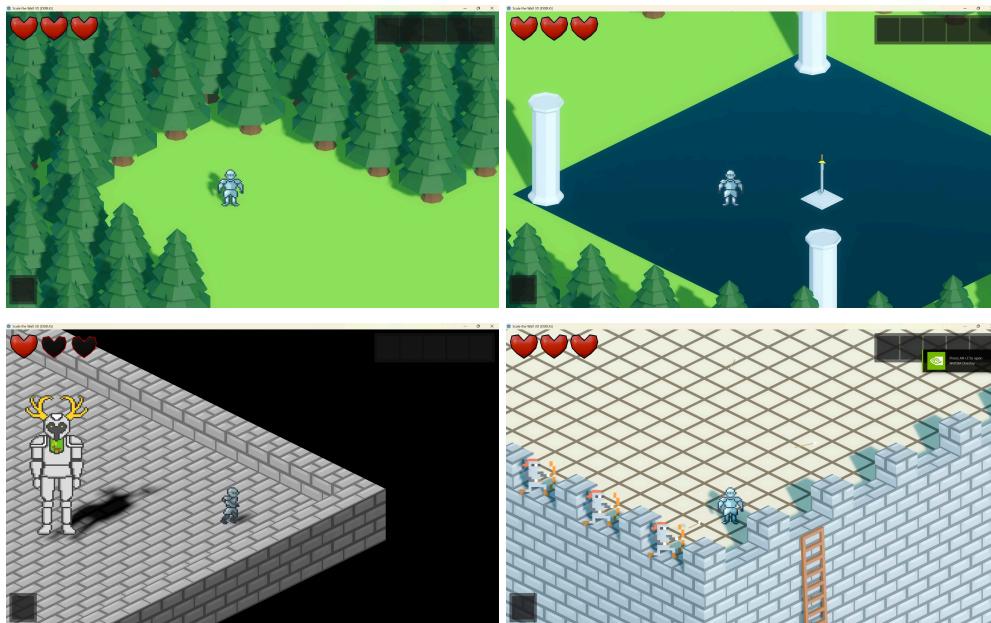
GMTK Game Jam 2024 Entry

<https://github.com/Dav-Sandhu/GMTK-GameJam-2024>

- This was our team's GMTK game jam entry for 2024 made using Phaser.js initially but then switched over to Godot in a later version. The game was initially just an isometric 2D action game, but was switched over to isometric HD-2D in order for better physics simulation. The game is an action adventure/rogue-like in the likes of Hades, The Binding of Isaac, and Dark Souls.

NOTE: The latest version of the game is private currently as it is still being worked on at the moment in Godot.

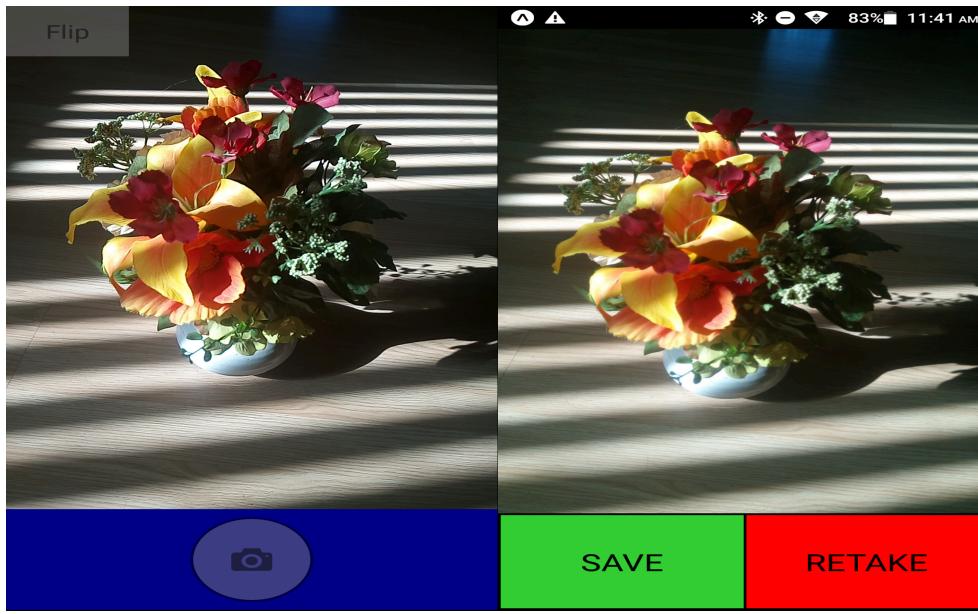
Screenshots of the latest version are shown below:



Custom Camera App

<https://github.com/Dav-Sandhu/Custom-Camera-App>

- This is a custom camera app I made using React Native and Expo.



Tersano Coding Challenge

<https://github.com/Dav-Sandhu/Product-Management-Interface-with-Authentication>

- This was a coding challenge from Tersano where you had to make a website using the MERN stack that implemented proper authentication. I used JSON web tokens to ensure that the user was authentic and had a wrapper class around my individual components to verify the token each time the user switched over to a different section of the website.



UNIVERSITY OF WINDSOR

The Senate of the University has conferred upon

DAVANJIT SANDHU

upon recommendation of the Faculty of Science

and in recognition of fulfilment of the prescribed requirements, the degree of

BACHELOR OF COMPUTER SCIENCE

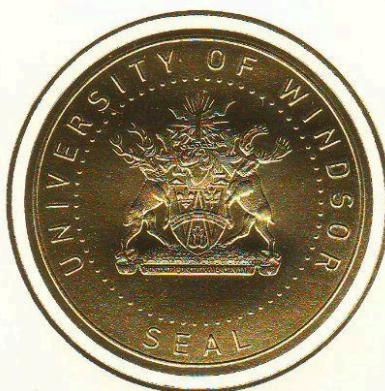
GENERAL COMPUTER SCIENCE

with all the Rights, Privileges, and Honours here and

elsewhere thereunto appertaining.

In witness whereof the seal of the University and the signatures of the

authorized officials thereof are hereunto affixed.



Rah Sandhu

President and Vice-Chancellor

Lorraine Bond

Acting Registrar

*Given at Windsor, Ontario, Canada, the 11th day of June,
in the year two thousand and twenty-one.*

TRANSCRIPT
OF
ACADEMIC
RECORD



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Student ID: 104572447
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2475 Festival Ave
Windsor, ON N8P 1X8
Canada

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Degrees Awarded
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Degree: Bachelor of Computer Science
Confer Date: 06/11/2021
Plan: Bachelor of Computer Science (General) - Computer Science
Plan: Minor in Political Science

Bachelor of Commerce (Honours) - Business Administration

Course	Description	Attempted	Earned	Grade
ECON 110	Introduction to Economics I	3.000	3.000	67
COMPSCI 140	Intro: Algorithms & Prog I	3.000	3.000	83
MATH 140	Differential Calculus	3.000	3.000	60
STRAT 100	Introduction to Business	3.000	3.000	76
Term Average	71.500	12.000	12.000	
Cumulative Average	71.500	12.000	12.000	

Academic Standing: Good Standing

F2016

Bachelor of Commerce (Honours) - Business Administration

Course	Description	Attempted	Earned	Grade
ECON 111	Introduction to Economics II	3.000	3.000	54
COMPSCI 141	Intro: Algorithms & Prog II	3.000	3.000	77
MATH 120	Linear Algebra I	3.000	3.000	51
MATH 141	Integral Calculus	3.000	0.000	41
Repeated:	Repeat Excluded from Average			
Term Average	60.670	12.000	9.000	

Cumulative Average

Academic Standing: Good Standing

W2017

Bachelor of Computer Science (Honours) - Computer Science

Course	Description	Attempted	Earned	Grade
COMPSCI 100	Key Concepts in Computer Scie	3.000	3.000	65
COMPSCI 265	Comp Architre I:Digital Design	3.000	3.000	50

IS2017

Bachelor of Computer Science (Honours) - Computer Science

Course	Description	Attempted	Earned	Grade
COMPSCI 100	Key Concepts in Computer Scie	3.000	3.000	65
COMPSCI 265	Comp Architre I:Digital Design	3.000	3.000	50

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Term Average 57.500

Cumulative Average 64.780
Academic Standing: Good Standing

F2017

Bachelor of Computer Science (Honours) - Computer Science

Course	Description
PHIL 160	Reasoning Skills
COMPSCI 212	Obj-Oriented Progmg Using Java
COMPSCI 254	Data Structures & Algorithms
COMPSCI 256	System Programming
Repeated:	Repeat Excluded from Average

Attempted	Earned	Grade
3.000	3.000	55
3.000	3.000	74
3.000	3.000	59
3.000	0.000	49

Term Average 62.670

Cumulative Average 64.250
Academic Standing: Good Standing

W2018

Bachelor of Computer Science (Honours) - Computer Science

Course	Description
COMPSCI 214	Language, Grammar & Translators
COMPSCI 315	Database Management Systems
MATH 141	Integral Calculus
Repeated:	Repeat Included in Average
MATH 190	Mathematical Foundations
STATIST 205	Statistics for the Sciences
Repeated:	Repeat Excluded from Average

Attempted	Earned	Grade
3.000	0.000	39
0.000	0.000	VW
3.000	0.000	47
3.000	0.000	28
3.000	0.000	37

Term Average 38.000

Cumulative Average 59.000
Academic Standing: Required to Withdraw

F2018

Bachelor of Computer Science (General) - Computer Science

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Course	Description	Attempted	Earned	Grade
COMPSCI 256	System Programming	3.000	3.000	68
Repeated:	Repeat Included in Average			
COMPSCI 266	Comp Archite II:Micro Program	0.000	0.000	VW
COMPSCI 315	Database Management Systems	3.000	3.000	56
STATIST 205	Statistics for the Sciences	3.000	3.000	66
Repeated:	Repeat Included in Average			

Term Average

63.330

Cumulative Average

59.720

Academic Standing: Academic Probation

W2019

Bachelor of Computer Science (General) - Computer Science

Course	Description	Attempted	Earned	Grade
COMPSCI 2800	Software Development	0.000	0.000	VW
COMPSCI 3220	Obj-Oriented Software Anal/Des	0.000	0.000	VW
COMPSCI 3300	Operating Systems Fundamentals	3.000	3.000	59
Term Average	59.000	3.000	3.000	

Cumulative Average

59.680

Major Average:

65.667

Academic Standing: Academic Probation

F2019

Bachelor of Computer Science (General) - Computer Science

Course	Description	Attempted	Earned	Grade
COMP 2660	Comp Archite II:Micro Program	3.000	3.000	85
Term Average	85.000	3.000	3.000	
Cumulative Average	60.950	69.000	51.000	
Major Average:	67.600			

Academic Standing: Academic Probation

W2020

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Course	Description	Attempted	Earned	Grade
COMP 3220	Obj-Oriented Software Anal/Dessr	3.000	3.000	74
COMP 3520	Intro to Computer Graphics	0.000	0.000	VW

Term Average

74.000

Attempted

Earned

Grade

Cumulative Average

61.570

72.000

54.000

Major Average:

68.182

Academic Standing: Good Standing

Bachelor of Computer Science (General) - Computer Science

Course	Description	Attempted	Earned	Grade
COMP 3340	World Wide Web Info System Dev	3.000	3.000	92
COMP 3670	Computer Networks	0.000	0.000	VW
POLS 2320	Government & Politics of the US	3.000	3.000	85

Term Average

88.500

Attempted

Earned

Grade

Cumulative Average

63.910

78.000

60.000

Major Average:

70.167

Bachelor of Computer Science (General) - Computer Science

Minor in Political Science

Course	Description	Attempted	Earned	Grade
COMP 3770	Game Design, Dev & Tools	3.000	3.000	96
POLS 1000	Intro: Cdn Govt & Politics	3.000	3.000	80
POLS 1600	Intro: International Relations	3.000	3.000	82
POLS 2440	Government and Politics/Europe	3.000	3.000	76
POLS 3460	Asian Government and Politics	3.000	3.000	94

Term Average

85.600

Attempted

Earned

Grade

Cumulative Average

67.790

15.000

15.000

Major Average:

70.167

93.000

75.000

Bachelor of Computer Science (General) - Computer Science

Minor in Political Science

Course	Description	Attempted	Earned	Grade
COMP 3770	Game Design, Dev & Tools	3.000	3.000	96
POLS 1000	Intro: Cdn Govt & Politics	3.000	3.000	80
POLS 1600	Intro: International Relations	3.000	3.000	82
POLS 2440	Government and Politics/Europe	3.000	3.000	76
POLS 3460	Asian Government and Politics	3.000	3.000	94

Term Average

85.600

Attempted

Earned

Grade

Cumulative Average

67.790

15.000

15.000

Major Average:

70.167

93.000

75.000

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Course	Description	Attempted	Earned	Grade
COMP 4200	Mobile Application Development	3.000	3.000	96
POLS 2330	Politics: Developing World	3.000	3.000	86
POLS 2350	Govt & Politics in Middle East	3.000	3.000	80
POLS 2600	Politics, Hist & Asian Religions	3.000	3.000	92
POLS 3610	U.S. Foreign Policy	3.000	3.000	70

Term Average 84.800

Attempted 15.000

Earned 15.000

Cumulative Average 70.360

108.000

90.000

Major Average: 70.167

Academic Standing: Good Standing
All degree requirements have been met.

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