

Woochan (Andy) Jung

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EDUCATION

Simon Fraser University

Bachelor of Science in Computer Science

Burnaby, BC

Sep 2023 – Present

EXPERIENCE

Google Developer Student Club

Simon Fraser University

January 2024 – Present

Burnaby, BC

- Collaboratively designed and developed multiple computer science projects with fellow students
- Developed full-stack web applications using NextJS, JavaScript, CSS and NeonDB to create websites
- Received 1st place at Hack the sem, representing the finance sector, hosted by Google Developer Student Club

Royal Canadian Air Cadets

754 Phoenix Squadron

Sep. 2017 – May 2023

Port Moody, BC

- Flight Sergeant in the Royal Canadian Air Cadets, knowledge in aerospace, navigation, and meteorology
- Developed leadership and teamwork skills leading cadet exercises and collaborative projects
- Cultivated technical proficiency in flight operations and aircraft maintenance, underpinning a solid understanding of aerospace principles, including the physics behind aviation.
- Demonstrated a strong sense of responsibility, discipline, and attention to detail through rigorous cadet training programs

PROJECTS

Grad Gains | *NextJS, Typescript, React, Tailwind CSS, Git, NeonDB, Figma, DrizzleORM*

Jan 2024 – Present

- Used **Typescript** and **NextJS** to build a finance app to help SFU students in investing through community-building features
- Collaborating on both **frontend** and **backend** development, worked on both UI, and server requests
- Implemented a **REST API** to make a constantly refreshing dashboard of Grad Gains with latest financial news

Basketball Data Web Scraper | *Python, BeautifulSoup, HTML*

October 2023 – December 2023

- Utilized **BeautifulSoup** and requests libraries for efficient **HTML** parsing and data extraction
- Designed to automate the gathering of player performance metrics, team statistics, and game outcomes, the tool streamlined data collection processes and supported in-depth sports analytics

FitPals | *Computer Vision, Python, OpenCV, Media Pipe, SQL, CSS, HTML, Javascript, Flask*

May 2024 – Present

- Developed a web application that assists users with their exercise forms using **Python** and **Flask**
- Implemented real-time TTS feedback to help users correct their exercise posture and avoid injuries
- Also developed the Push-ups and Squats rep counting/ feedback program, using OpenCV, Python and Media Pipe

Syde-Kick-Ai | *Computer Vision, Python, OpenCV, Pytorch, Machine Learning*

May 2024 – Present

- Developed an MMA striking and grappling detection system using **Python** and **OpenCV**
- Built a **PostgreSQL** database to store and organize video data, detection results, and user information
- Trained custom **CNNs** with **PyTorch** to enhance the accuracy and performance of strike detection
- Built a responsive front-end interface with **React** and **TypeScript**, enabling users to monitor strikes and analyze fight statistics in real-time

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, TypeScript, HTML/CSS, R, Assembly

Frameworks: React, Node.js, NextJS, , Material-UI, FastAPI, REST API, Pytorch

Developer Tools: Git, Github, VS Code, Visual Studio, PyCharm,

Libraries: Pandas, BeautifulSoup4, OpenCV, Mediapipe, Common STD C++ libraries

AWARDS

1st place at Hack the Sem—Hackathon hosted by Google Developer Student Club.