Woochan (Andy) Jung

778-689-0524 | waj4@sfu.ca | linkedin.com/in/andyjung | github.com/andyjung

EDUCATION

Simon Fraser University   Burnaby, BC
Bachelor of Science in Computer Science   *Sep 2023 – Present*

EXPERIENCE

Google Developer Student Club   January 2024 – Present
Simon Fraser University   *Burnaby, BC*
- Collaboratively designed and developed multiple computer science projects with fellow students
- Developed a full-stack web application using NextJS, JavaScript, CSS and NeonDB to create websites
- Explored ways to visualize GitHub collaboration in a collaborative setting

Royal Canadian Air Cadets   Sep. 2017 – May 2023
754 Phoenix Squadron   *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
- Developed a social app to engage SFU students in investing through community-building features
- Collaborating on frontend and backend development to ensure seamless user experience and integrate community engagement features
- 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*   May 2024 – Present
- Developed a web application that utilizes computer vision to assist users with their exercise forms
- Implemented real-time TTS feedback to help users correct their exercise posture and avoid injuries
- 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 a machine learning model that detects strikes thrown during combat, distinguishing between hits and misses in real-time
- Leveraged PyTorch for model development and training, utilizing large-scale datasets from combat sports such as MMA and UFC
- Integrated OpenCV for real-time video processing, allowing for immediate analysis and feedback on strike accuracy
- Designed to assist trainers and fighters in improving performance by providing detailed strike reports, and help lower level MMA organizations cut down on costs of judges.

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, BeatifulSoup4, OpenCV, Mediapipe, Common STD C++ libraries

AWARDS

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