

DENIS STEPANOV

Dedicated Android & iOS Developer

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EDUCATION

University of Nottingham (UNNC)

BCs Computer Science

August 2017 – June 2020 Ningbo, China

Humber College

Computer Engineering Technology Diploma

August 2014 – May 2017 Toronto, Canada

North Judson San Pierre High School

Excahnge Programme School

August 2013 – May 2014 North Judson, USA

SKILLS

Java/Kotlin, iOS (Swift), Flutter, C/C++
vCloud, Git, DMBS (Firebase, LiveData)
JavaScript, PHP, HTML, CSS, XML, Python



EXPERIENCES

Virtual Environment (VE) Designer

University of Nottingham Ningbo China

June 2019 – Nov 2019 Ningbo, China

CERTIFICATIONS

Tennis Canada Certification

Tennis Instructor I

January 2015 Toronto, Canada

First Aid and CPR Certificate

February 2016 Toronto, Canada

INTERESTS

Virtual Reality (VR)

Java/Kotlin

Metamorphic Testing

Android Development

Open Educational Resources (OER)

ACHIEVEMENTS

- Winner of FLEX Exchange Program
- Participant of Model United Nations
- Best UNNC dissertation of the year 2020

PUBLICATIONS

- Creating a 4D photoreal VR environment to teach civil engineering. In *IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE 2019)*, pages 1006–1013, 2019.
- A Virtual Reality OER Platform to Deliver Phobia-motivated Experiences, Denis Stepanov, Dave Towey, Tsong Yueh Chen and Zhi Quan Zhou (2020) in Proceedings of the IEEE Annual Computer Software and Applications Conference, COMPSAC 2020, pp. 1528–1533.

PROJECTS

VR Civil Engineering Tour

- Virtual Reality tour around a library construction site at UNNC for civil engineering students. It provides the information about the site, timestamps and various locations around the building.

Software Controlled Drone

- Arduino and Android collaboration project focused on controlling a Unmanned Aerial Vehicle (UAV) module through a mobile application. The system works based on Bluetooth communication between an Android application and a UAV controller.

Boulder Climbing System

- Android application group project focused on bouldering sport at UNNC. The project was a requirement for fulfilment of BSc Computer Science degree at UNNC.

VR Wearable Technology System

- A year long project focused on the development of VR platform combined with wearable technology to monitor health data and deliver phobia-motivated experiences.

Android UTracker Application

- Android-based project working as a workout manager for the user. Includes background services, local storage management, responsive design and gamification features.