

# NICHOLAS LESLIE

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## PROJECTS

### Edge Computer Vision System

*OpenVINO, OpenCV, Machine Learning, Python*

- Produced software for an edge camera system that can be used to perform many computer vision tasks such as object detection and tracking
- Device can be used to detect and count vehicles in the city, license plate recognition, how many people enter/leave a building, track movements, etc
- Reduces the cost of purchasing and installing smart sensors around the city of Christchurch

### C3 Church Eastside Mobile App

*Flutter, Dart*

- Developed an iOS/Android app for C3 Church Eastside using Flutter and Dart
- Allows for a new source of communication to the church congregation and a single point for updates (Events, Sermons, Location, Sermon times)
- Integrates Google's APIs (Google Calendar) with Firebase/Firestore for push notifications
- Follows Google's Material Design Scheme



## WORK EXPERIENCE

### Jade Software

#### Christchurch, New Zealand

*Intern Software Developer  
Dec 2019 - Feb 2020*

- Developed Computer Vision software at the Edge to enhance the capabilities of security cameras. Allowing them to perform tasks such as license plate recognition, object tracking and detection
- Extending the capabilities of household items to improve their accessibility, increasing the ways we interact with these devices and helping bring regular appliances into the future

### YMCA of South Hampton Roads

#### Jamesville, Virginia

*Program Development Director  
May 2016 - Sep 2017*

- Manage staff, preparing work schedules and assigning specific duties
- Establish and implement departmental policies, goals, objectives, and procedures, conferring with organization officials, and staff members as necessary
- Determine staffing requirements and train new employees, and oversee employee development and evaluations
- Day to day planning and running of Conference and Retreat Center with 300+ daily guests
- Guest entertainment with main responsibilities on new programming, managing social media, weekly media productions
- Management responsibilities of 100+ employees



## EDUCATION

### Ara (Formerly CPIT)

*Bachelor of ICT - Software Development  
Expected graduation - Nov 2020*

### ServiceIQ

*Certificate of Retail (Customer Service and Sales Support)  
Apr 2016*

### Yoobee (Formerly Natcoll)

*Introduction of Video Post Production  
Feb 2008*



## SKILLS

### Proficient in:

- Flutter and Dart
- JavaScript (ES6+), Vue, Node, Phaser
- HTML/CSS
- SQL/MySQL
- Adobe Photoshop/Dreamweaver/After Effects
- Python

### Familiar with:

- Powershell/CMD/Bash
- Git



## HONOURS

- Member of ITPNZ
- Outstanding Academic Performance Award (Ara)
- Letter of Commendation from Command Sergeant Major James P. Wills (US Army)
- Cisco ITE v6 Certification
- CCNA Routing and Switching - Introduction to Networks Certificate