

NICHOLAS LESLIE

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PROJECTS

Edge Computer Vision System

Jade Software Corporation

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

C3 Church Eastside

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

Computer Vision Engineer Intern

Dec 2019 - Current

- 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 - Dec 2017

- Managed staff, prepared work schedules and assigned specific duties
- Established and implemented departmental policies, goals, objectives, and procedures, conferring with organization officials, and staff members as necessary
- Determined staffing requirements and trained new employees, and oversaw employee development and evaluations
- Day to day planning and running of the 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

ServicelQ

Certificate of Retail (Customer Service and Sales Support)

Apr 2016

Yoobee (Formerly Natcoll)

Introduction of Video Post Production

Feb 2008



SKILLS

Proficient in:

- JavaScript (ES6+): Vue, NodeJS, Phaser, Mocha Chai, Selenium
- Dart: Flutter
- C#: .Net, WPF
- PHP
- Python: OpenCV, OpenVINO
- HTML/CSS
- SQL/MySQL: Relational Databases
- Powershell/CMD/Bash
- Git
- Adobe Photoshop/After Effects



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