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 is used to detect and count vehicles around a city, license plate recognition, how many people enter/leave a building, track movements, etc
- Reduced 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 with Facebook's GraphQL (Social Integration) with Firebase/Firestore for push notifications
- Follows Google's Material Design Scheme

WORK EXPERIENCE

Jade Software

Christchurch, New Zealand

IoT Software Development Intern
Dec 2019 - Feb 2020

- Part of a collaborative rapid application and prototyping development team focused on delivering computer vision technology for embedded systems and other IoT
- Responsibilities included developing, documenting and testing every aspect of the system through the development life-cycle
- Participated in code reviews
- Regularly presented system to stakeholders within the industry

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 Institute of Canterbury (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

- JavaScript and TypeScript (ES6+): NodeJS, Vue, Phaser, Mocha, Chai
- Dart: Flutter
- C#
- PHP
- Python: OpenCV, OpenVINO
- HTML/CSS
- SQL/MySQL and Relational Databases
- AWS, Firebase, GCP
- Powershell/Cmd/Bash/Terminal
- Git, GitHub, GitHub Actions
- Adobe Photoshop/After Effects

HONOURS

- Member of the Ara Department of Enterprise and Digital Innovation Local Advisory Committee
- Member of ITPNZ
- Four time recipient of the 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