NIKHIL KALAMANNIL OOMMEN

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Education

09/2018 – 07/2021 COVENTRY, UNITED KINGDOM

BSc Computer Science
University of Warwick

Predicted 1st, current average of **76%**
Key Modules include:
Software Engineering, Data Structures, Visualization, Computer Architecture, Artificial Intelligence, Machine Learning and Computer Graphics

09/2014 – 07/2018 BANBURY, UNITED KINGDOM

A-Levels and GCSE
Blessed George Napier Roman Catholic School

A-Levels
EPQ was a dissertation on the ethics of developing Artificial Intelligence
Mathematics: **A** | Further Mathematics: **A** | Physics: **A**
BTEC IT: **Distinction** | EPQ: **A***
GCSE
Four **A***'s in Maths and Sciences. **A**'s in English, Computer Science, Geography and Religious Studies.

Skills

PROGRAMMING LANGUAGES
Python
Java, JavaScript, C#
C, C++

FRAMEWORKS
Flask
TensorFlow, Android,
Unity, WPF

TOOLS
Git, GitHub
Linux, Windows, SQL
Docker, Firebase

Achievements

- Obtained Morgan Stanley sponsored award for top 10 in class for Data Structures module.
- Silver awards in Junior, Intermediate and Senior Math's Challenge.
- Attended Maths Master classes from Years 9-11 at Oxford University.

Experience

08/2019 – 09/2020 LONDON, UNITED KINGDOM

Software Engineer
iCuris Ltd

Start-up company, developing a health care product.

- Design and training of CNNs using TensorFlow, resulted in a successful model with high enough accuracy for the prototype.
- Developed Python GUI to label training and validation data.
- Required skeletal position to be extracted from images, utilized OpenVino technology to accelerate human pose estimation and extract key features into Python objects.
- Designed threaded code for automated data capture from multiple sensors on a Raspberry Pi.
- Collaborated with team to develop website for user registration and device management tools. Technologies included JWT token authentication and industry-standard Bootstrap, jQuery.
- Worked with and built upon REST API using Flask.

09/2016 – 12/2016 BANBURY, UNITED KINGDOM

Administration Assistant
Morrisons Supermarket

- Worked with team to maintain price integrity and manage promotions.
- Developed interpersonal skills through interactions with customers.

Personal Projects

QueueTube - Full stack
- Utilizing Google OAuth2.0 flow and YouTube API.
- Hosted on Heroku using Flask. Firestore NoSQL db.

Computer Vision Head Tracking
- Tack head position using images from regular webcam. Translate movement to motion in video games via the OpenTrack UPD socket.

Code/Demos available on Portfolio

References

References available upon request.