Nikhil Kalamannil Oommen

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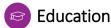Nick.Kalamannil-Oommen@warwick.ac.uk ✉
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nikhil-kalamannil 🔗
nikhil-ko.github.io/Portfolio/ 🔗

Objectives

Forward thinking and keen Computer Science student at the University of Warwick. Eager to gain experience and develop my skills. Proficient at Mathematics and IT. Capable in Java, C, Python and Website development. Working knowledge of Processing for data visualisation. Interested in data modelling, computer simulation and game development.

Education

BSc Computer Science | University of Warwick

2018-2021

First Year – 81%

- Programming – Java, objected oriented principles and design (83%)
- Functional programming – Haskell (78%)
- Data Structures – Design and analysis of algorithms in Java (86%)
- Computer Architecture – Low level programming in C and Assembly (72%)
- Visualization – Creating graphics and models of data in processing (80%)
- Professional Skills – HTML, CSS, Bash, LaTeX and Git (84%).

Second Year – Predicted 1st

Algorithms, Operating systems and networks, Formal languages, Software engineering, Logic and verification, Artificial Intelligence.

A-Levels | Blessed George Napier Roman Catholic School

2016 – 2018

My EPQ was a dissertation on the ethics of developing Artificial Intelligence.

Mathematics: A | Further Mathematics: A | Physics: A | BTEC IT: Distinction | EPQ: A*

GCSE | Blessed George Napier Roman Catholic School

2014 – 2016

Four A*'s in Maths and Sciences. A's in English, Computer Science, Geography and Religious Studies. B in Business.

Experience

Software Engineer | iCuris Limited, London, UK

08/2019 – 11/2019

Start-up company, prototyping and developing a health care product. Heavily python based, with website development.

- Utilized OpenPose library for computer-vision based projects and developed tools to analyse data produced.
- Raspberry Pi using GPIO and camera, automated data capture and upload to server.
- Worked with and iterated upon Flask REST API, for retrieving and processing data received from raspberry pi.
- Developed website for user registration and device management tools. Technologies included JWT token authentication and jQuery.

Architectural Intern | Cumming Anderton Architects

07/2017 – 07/2017

- Familiarized myself with AutoCAD software to enhance and contributed to team projects.
- Designed promotional products in Photoshop for client showcase.

Administration Assistant | Morrisons Supermarket

09/2016 – 12/2016

- Responsible for checking product price integrity and managing promotions.
- Interacted with customer on a daily, directing them to relevant sources of help.

Skills and Achievements

- Obtained Morgan Stanley sponsored award for top 10 in class for Data Structures module
- Java and objected oriented design
- HTML, CSS and JavaScript
- Silver awards in Junior, Intermediate and Senior Math's Challenge
- Knowledge of computer hardware
- Proficient with Windows and Linux systems
- Attended Math's Master Classes at the Royal Institution of Math's at Oxford University from Years 9-11
- Clean UK drivers' licence

References

Reference contact details available upon request.