

Rilwan Remilekun BASARU

PERSONAL DATA

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WORK EXPERIENCE

NOV 2017 -	<p>ONARIA TECHNOLOGIES, London <i>Lead Software Developer / Computer Vision Scientist</i></p> <p>Designed and implemented deep learning based system for diagnosis segmentation of dental captures. Developed robust data capture Android mobile app and implemented dental diagnosis API on the Amazon Web Services (AWS) Cloud platform.</p>
SUMMER 2018	<p>CITY UNIVERSITY, London <i>Research fellow on the SCAMPI project</i></p> <p>Worked on implementing sensor tracking and prediction of patient's activities of daily living. Role involves implementing framework for collecting sensor reading, training a supervised Bayesian model for predicting activities performed by patients within the home.</p>
SUMMER 2017	<p>GEOVATION HUB, London <i>Software Developer</i></p> <p>Worked on designing and implementing automated train capacity detection system using readily available on-board sensors. Implemented a prototype in-bound train capacity prediction model for Transport for London trains.</p>
SUMMER 2015 & 2016	<p>PLAQUECHECKER, London <i>Technical Consultant / Developer</i></p> <p>Designed, developed and Implemented random forest based approach to automated segmentation of plaque and infammed gum region in dental images. Implemented backend to mobile application for automated dental disgnosis using machine learning.</p>
AUTUMN 2013 - SPRING 2017	<p>CITY UNIVERSITY, London <i>Visiting Hourly Paid Lecturer Role</i></p> <p>Taught classes ranging from Applied Engineering Mathematics to Discrete Mathematics for Computing; Java and Python programming; Advanced databases etc.</p> <p>For detailed list of taught modules see: remibasaru.github.io/teaching.html</p>

EDUCATION

- DEC. 2017 Doctor of Philosophy (PhD) in COMPUTER VISION & MACHINE LEARNING, **City University**, London
Thesis Title: “Robust Hand Pose Recognition from Stereoscopic Capture”
Supervisor: Dr. Gregory SLABAUGH
- JULY 2013 Bachelor’s of Engineering (BEng) in BIOMEDICAL ENGINEERING **City University**, London
Final Project Title: “Automated Detection of Respiratory Diseases”
Key Modules: Engineering Mathematics (**91.8%**), Electronic Circuit Design (**83.7 %**), Radiation Physics & Imaging, Biomedical Sensors (**82.2%**) and C Programming (**97 %**)
Result: First Class (78.4%)
- JUNE 2010 International Baccalaureate, **Dartford Grammar School**, Darford, Kent
Subjects: Maths (HL), Physics (HL), Chemistry (HL), Spanish (SL), ITGS (SL), English (SL)
Result: 370 UCAS points
- JUNE 2008 GCSE at **Abbeywood School**, London
Result: 6 A’s (incl: Mathematics, Statistics, Double sciences and IT) and 3 B’s

COMPUTER SKILLS

Basic Knowledge:	PHP, mysql, HTML and LabVIEW
Intermediate Knowledge:	Excel, Word, PowerPoint, Bash (Unix shell), LINUX, ubuntu, OpenCV, OpenNI, OpenGL and LaTeX
Expert Knowledge:	Java SE, MATLAB, C/C++, Python, Tensorflow, MatConvnet, Android, Amazon Web Services (AWS) and Deep learning

SCHOLARSHIPS AND CERTIFICATES

- JAN. 2011 Professor Ludwick Finkelstein Scholarship at **City University**, London
- JAN. 2012 Professor Ludwick Finkelstein Scholarship at **City University**, London
- JUN. 2017 Ponin Award at **Dartford Grammar School**, Darford, Kent.

LANGUAGES

YORUBA:	Mother tongue
ENGLISH:	Fluent
SPANISH:	Basic Knowledge

PUBLICATIONS

For detailed list of my publications: remibasaru.github.io/publications.html

INTERESTS AND ACTIVITIES

Technology, Open-Source, Programming
Psychology, Anthropology, History
Football, Travelling, Puzzle, Board games

REFERENCES

To be provided on request.