

# NATHAN DAVID

## PERSONAL INFORMATION

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NATIONALITY:	Indian
DATE OF BIRTH:	10 <sup>th</sup> June 1969
MARITAL STATUS:	Married
Email	<a href="mailto:nathan.david@unn.edu.ng">nathan.david@unn.edu.ng</a>
Phone number	234 803 6686028

## EDUCATION

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2000 – 2003	UNIVERSITY OF NIGERIA • <i>M. Engr. Electronic Engineering</i>	NSUKKA
1990 – 1991	ANAMBRA STATE UNIVERSITY OF TECHNOLOGY • <i>PGD, Business Administration</i>	ENUGU
1985 – 1990	ANAMBRA STATE UNIVERSITY OF TECHNOLOGY • <i>B. Engr. Computer Science and Engineering</i>	ENUGU

## THESIS

- *Design of a Campus Wide Internet Service Provider, 2003*
- *The Use of Computer Simulation Models in Management, 1991*
- *Design and Construction of a Digital Clock and a PROM based Calendar, 1990*

## EXPERIENCE

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### ACADEMIC EXPERIENCE

2010 – DATE	UNIVERSITY OF NIGERIA <i>Senior Lecturer, Department of Electronic Engineering</i>	NSUKKA
2007 – 2010	UNIVERSITY OF NIGERIA <i>Lecturer I, Department of Electronic Engineering</i>	NSUKKA
2004 – 2007	UNIVERSITY OF NIGERIA <i>Lecturer II, Department of Electronic Engineering</i>	NSUKKA

### COURSES TAUGHT

- Microprocessors
- Digital Logic
- Software Engineering
- Instrumentation Engineering

***SUPERVISION OF UNDERGRADUATE PROJECTS UNDER THE FOLLOWING CATEGORIES:***

- Microprocessor based projects
- Information Communication Technology based projects.
- Software Engineering based projects

Number of students supervised till date > 200

**UNIVERSITY COMMITTEE MEMBERSHIP**

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<i>Committee</i>	<i>Position Held</i>	<i>Date</i>
1. Technical committee on the proposal of providing Uninterrupted Power to the University of Nigeria	member	2016-date
2. Fee Payment and Verification Committee	chairman	2013 -2015
3. Faculty Exhibition Committee	chairman	2010-2012
4. Departmental Curriculum/Accreditation Committee	member	2010-date
5. Nigerian Journal of Technology	associate editor	2007-2012
6. Finance Committee NUGA	member	2005-2009
7. Examination Committee	exam officer	2005-2008
8. Digital Bridge Institute Curriculum Committee	member	2005-2006
9. ICT Curriculum Committee	member	2005-2007

***INDUSTRIAL EXPERIENCE***

2002 – 2004	GIL ONLINE	ENUGU
	<i>Networking Manager</i>	
	<ul style="list-style-type: none"> <li>• Installation/maintenance of the office network with 100 points.</li> <li>• Installation of fixed Wireless access points in and around Enugu.</li> <li>• Maintenance of computer systems.</li> </ul>	
2001 – 2002	COMPUTER COMMUNICATION CENTER	NSUKKA
	<ul style="list-style-type: none"> <li>• Assisted in conducting lectures in Computer Applications.</li> <li>• Assisted in an Undergraduate project to develop and implement a LAN for the Communication Center, UNN.</li> </ul>	
2000 – 2001	CAPASH RESOURCES	ENUGU
	<i>Manager Engineering</i>	
	<ul style="list-style-type: none"> <li>• Working on the implementation of an ISP in Enugu.</li> <li>• Implementing Local Area Networks in various arms of the State Government, and maintenance of their computers.</li> </ul>	
1996 – 2000	IJAY Nigeria Limited	ENUGU
	<i>Manager Maintenance</i>	
	<ul style="list-style-type: none"> <li>• Maintenance of computers in the company and training of the staff.</li> <li>• Setup a Computer Center in Nsukka to provide Internet services, training and desktop publishing and offering consultancy services.</li> </ul>	
1995 – 1996	WYSENET SYSTEMS	WARRI
	<i>Systems Manager</i>	
	<ul style="list-style-type: none"> <li>• Maintenance of computers in the company and training of the staff.</li> </ul>	

- Initializing training courses for Warri Refinery and Petrochemical Corporation (WRPC).

1993 – 1995 METCOL WARRI  
Systems Manager

- Worked on a number of projects both maintenance and installation in NNPC; worked in branches of the three refineries.
- Worked on security systems in PPMC Obudu and PPMC Benin.
- Maintenance of computers in the company and training of the staff.

1991 – 1993 MOBISSON TECHNOLOGIES ENUGU  
Engineer

- Worked on hardware projects that included designing using CAD and wiring/testing of boards.

## ACADEMIC CREATIVE ACTIVITIES

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### JOURNAL ARTICLES

#### LIST OF JOURNAL ARTICLES

1. Nathan David, Chukwunonye Anyakoha, Henry Agbo: *Opnet Based Simulation for Rural Educational ICT Connectivity*. International Journal of Scientific and Engineering Research 04/2016; 7(4).
2. Chinedu Duru, Nathan David: *A Realisation on the deployment of Smart Traffic Lights with Wireless Sensor Networks in an effort to ensure safety of the roads of the University of Nigeria, Nsukka campus area*. International Journal of Scientific and Engineering Research 04/2016; 7(4).
3. Nathan David: *An economical solar PV system for home use: explained*. International Journal of Scientific and Engineering Research 11/2015; 6(11):453.
4. Nathan David, Chinedu Udengwu, Obiayor Onyia: *A Gesture Controlled System*. International Journal of Scientific and Engineering Research 11/2015; 6(11).
5. Nathan David, Amarachi Umunnakwe, Chinonso Odiaka, Ife-ebube Okoye: *Design and Construction of An Arduino based Wireless Remote Controlled Video Capturing Vehicle*. International Journal of Scientific and Engineering Research 11/2015; 6(11).
6. Nathan David, Abafor Chima, Aronu Ugochukwu, Edoga Obinna: *Design of a Home Automation System Using Arduino*. International Journal of Scientific and Engineering Research 06/2015; 6(6).
7. Nathan David, Ayodeji Opeyemi Abioye: *DESIGN OF A LOW COST VIDEO CAPTURING VEHICLE*. International Journal of Scientific and Engineering Research 05/2015; 6(5):1621-1624.
8. Nathan David, Cornelius C Agbo, Mellitus O Ezeme: *The Communication System of a Tele-Operated Smart Mobile Robot*. International Journal of Scientific and Engineering Research 04/2015; 6(4):786-791.
9. Nathan David, Patrick Ocheja, Paschal Udeh, Olisa Okpoko: *Design of a Fingerprint Reader Enabled Remote Monitoring Module with Interface to Web Applications*. International Journal of Scientific and Engineering Research 02/2015; 6(2):704.

10. Chinedu Duru, Nathan David: *Evaluating the Deployment Problem of a Wireless Sensor Network on the University of Nigeria, Nuskka Campus for the Detection & Tracking of Vehicles*. International Journal of Scientific and Engineering Research 10/2014; 5(10):1039.
11. Nathan David, Genesis Ajah: *A Microcontroller Based Security System*.
12. Nathan David, Nnanna Obinna Maduabum: *Design and Implementation of an E-Learning Live Streaming Application With Audio Chat*.
13. Nathan David, Patrick Ocheja, Paschal Udeh, Olisa Okpoko: *Design of a University Portal with Biometric Lecture Attendance Monitoring System*.
14. Nathan David, Daberechi Ubachukwu, Hyacinth Ijomanta, Chukwuebuka Gil-Ozoudeh: *A Biometric based Software Solution for E-Voting using networking*.
15. Nathan David, Genesis Ajah N: *Design and Implementation of a PC-Based Iris-Authentication System*.
16. Nathan David, Abioye Ayodeji Opeyemi: *Design and Construction of a Wireless Remotely Controlled Video Capturing Vehicle II*.
17. Nathan David, Abioye Ayodeji Opeyemi: *The Design and Construction of an Industrial Mobile Robot*.
18. Nathan David, Abioye Ayodeji Opeyemi: *Solar Power System: A Viable Renewable Energy Source For Nigeria*.
19. Genesis Ajah, Nathan David, Abioye Ayodeji Opeyemi: *Scholars Journal of Engineering and Technology (SJET) Web Based Security System*.
20. Nathan David, Abioye Ayodeji Opeyemi, Onuora K.C, Nzewi O.N: *ALTERNATE POWER SOURCE: WIND TURBINE*.
21. Nathan David, Anyika Chidinma V, Ejindu IfeyinwaN, Abioye AyodejiO: *LIBRARY SOUND LEVEL METER*.
22. Nathan David, Abioye Ayodeji Opeyemi: *Design and Construction of a Wireless Remotely Controlled Video Capturing Vehicle*.
23. Nathan David, Nnamani, Uchenna H., Jidefor A Odoeze: *The Design and Implementation of a Universal EPROM Programmer*.
24. Abioye Ayodeji Opeyemi, Nathan David: *Computer Interfacing Through the USB Port (Building a USB Device)*.
25. Nathan David, *The Impact of ICT in Rural Education: Case Study – Enugu State*, NIJOTECH, Vol.28 No.2 Sept.2009.  
<http://nijotech.com/index.php/nijotech/article/view/122>
26. Nathan David, *Design of an Internet Based Security System*, NIJOTECH, Vol.29 No.2 June 2010. <http://nijotech.com/index.php/nijotech/article/view/71>
27. Nathan David, *Campus Wide Network for University of Nigeria, Nsukka Campus*, NIJOTECH, Vol.29 No.1 March2010.  
<http://nijotech.com/index.php/nijotech/article/viewFile/141/121>
28. *The Impact of ICT in Rural Education: Case Study – Enugu State*, Nathan David, NIJOTECH, Vol.28 No.2 Sept.2009.  
<http://nijotech.com/index.php/nijotech/article/view/122>

29. *DESIGN OF AN ARDUINO BASED WIRELESS POWER METER*, Nathan David, Franklyn N Anozie, Franklyn O Ebuka, Sylvia A Nzenweaku, *IJSER*. Sept. 2016 \* *accepted for publication*
30. *SIMULATION OF IEEE 802.11b INTRANET FOR CAMPUS BASED VOTING USING OPNET*, Nathan David, Elizabeth Okafor Njideka, Fortune Okereke Onyekachi, Augustine Ofor Chikwado, *IJSER*. Sept. 2016 \* *accepted for publication*

#### **CONFERENCE PROCEEDINGS**

1. Nathan David, Ata ON, Oburo NC, Ozumba AOU: *Cutting edge technology for construction ICT in a developing country*. COBRA 2010, PARIS; 09/2010
2. Nathan David, *Impact of ICT in Education, Case Study: Enugu State*. ICSD 2015, Columbia, NY; 09/2015
3. \* Nathan David, *ALTERNATE POWER SOURCE FOR ICT IN RURAL SCHOOLS OF NIGERIA: Case Study Enugu State, Nigeria*, ICSD 2016, Columbia, NY; 09/2015  
*(to be presented this year on September 21, 2016)*
4. \* Chinedu Duru, Nathan David, *A realisation on the deployment of Smart Traffic Lights with a Wireless Sensor Network in an effort to reduce Green House Gases. Case Study: Nsukka Campus Area* *(to be presented this year on September 21, 2016)*