

Simeon BABATUNDE

423 Lindsay Road, Unit 509, Clemson, SC 29631, USA | babatunde.simeon@gmail.com | +1 (864) 650-2697 | <http://simeonbabatunde.com>

Career Summary and Objective

A resourceful data engineer and embedded systems researcher. Passionate and dynamic, with hands-on experience in Internet of Things (IoT), big data analytics and software engineering. Interested in building tools and technologies that enable tiny batteryless sensors to power the intelligent IoT. Working towards becoming a research leader in the emerging fields of AI and IoT.

Professional Experience

Graduate Assistant **Aug. 2017 – Present**
School of Computing, Clemson University, – Clemson, SC, USA.

- A member of the PERSIST research laboratory. Currently researching efficient communication protocol for tiny batteryless sensors.
- Coordinate TAs and assist course instructor in ensuring seamless content delivery.
- Hold laboratory sessions, office hours, and help students to master class materials on C/C++ programming.

Data Engineer **Dec. 2015 – Jul. 2017**
Venture Garden Group, – Oregun, Lagos State, Nigeria.

- Developed and managed the first Enterprise Data Hub (EDH) built on Apache Hadoop ecosystem.
- Powered the data driven governance initiative in Nigeria through advanced and predictive analytics.
- Identified business problems to be solved with analytics and communicated findings to business decision makers.
- Won the first data science boot camp competition.

Software Developer & Data Analytics Researcher **Aug. 2014 – Nov. 2015**
Splashers Technologies Limited, – Isheri North, Lagos State, Nigeria.

- Team Lead, Mobile Application Development. Won the Outstanding Contribution to Consolidation Goals Award, October 2015.
- Developed the first mobile solution for financial settlement among key stakeholders within the Nigerian power sector.
- Ensured new members of the mobile development team were trained and mentored on adoption and utilization of key technologies used by the team.

Academic Qualifications

- **Doctor of Philosophy, Computer Science** **2017 – 2022** (Anticipated)
Clemson University – Clemson, South Carolina, USA.
- **Bachelor of Science, Computer Engineering** **Sep. 2014**
Obafemi Awolowo University – Ile Ife, Osun State, Nigeria.
 - ✓ First Class Honors, CGPA of 4.6 on a 5.0 scale.
 - ✓ Second best graduating student in the department of Computer Engineering.
- **National Diploma, Electrical and Electronics Engineering** **Sep. 2008**
Federal Polytechnic Ilaro – Ogun State, Nigeria.
Distinction, 3.8 CGPA on a 4.0 scale. Graduated as the Best Engineering Student.

Selected Technical Skills

- **Programming Languages:** Proficient in C, Python, Java; comfortable with R, C++, Javascript, and SQL.
- **Tools and Technologies:** Autodesk Eagle, TI MSP430, Hadoop, ELK stack (ElasticSearch-Logstash-Kibana), Apache Spark, Sqoop, Hive, Pig, Kafka, Flume, Scikit-learn, Jupyter Notebook, StreamSets Data collector, Android, Nodejs, Django, Flask and LaTeX.
- **Version Control Systems:** Git, Subversion and Mercurial.
- **Certifications:** Data Science Specialization, Johns Hopkins University (Coursera).

Selected Projects

- **UV Risk Detection and Prevention:** A wearable device that informs the user about the current and cumulative UV rays exposure level ([Github](#)).
- **Private Object Detection in Images using YOLO:** A private and public object detection program built on yolov3 and darknet ([Github](#)).
- **Packet Sniffing and Spoofing:** A sniffer and spoofing program implemented using pcap library and raw socket in C ([Github](#)).
- **Clemson Game day Queue Warning System:** A customized queue warning system modeled using software verification and validation tools (AADL) and techniques ([Github](#)).
- **Autonomous Line Following Robot:** Built with the most basic electronic components ([YouTube](#)).

Extracurricular Experience

- **Upsilon Pi Epsilon (CS Honor Society):** Participated in the outreach program (robotics and coding camp) for elementary students at Forest Acres Elementary, Easley.
- **Association for Computing Machinery (ACM):** Student member.
- **Engineers without Borders:** Active member, Clemson chapter.
- **School of Computing Graduate Students Association:** Active member.