Sando **George**

SOFTWARE ENGINEER · CURRICULUM VITAE

Georgetown, Guyana

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Date of Birth: 1989-05-03
Place of Birth: Georgetown, Guyana
Nationality: Guyanese

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310 Section B, Non Pariel, East Coast Demerara, GY

Education

Warsaw University of Technology   *Warsaw, Poland*
M.SC.ENG. IN COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE SPECIALISATION)   *Oct. 2015 - Jul. 2017*
- Advisor: Prof. Dr. Maria Ganzha.
- Co-advisor: Prof. Dr. Marcin Paprzycki.
- Thesis: *System for Supporting Crowdsourcing-type Data Collection*.

University of Guyana   *Georgetown, Guyana*
B.SC. IN COMPUTER SCIENCE   *Sep. 2009 - Jul. 2011*
- Research Project: *ProTag: A Prosodic Tagging Engine for Dynamic Text*. Supervised by Mr. Eldon Marks.

University of Guyana   *Georgetown, Guyana*
DIP. IN COMPUTER SCIENCE   *Sep. 2007 - Jul. 2009*
- Introductory courses in Computer Science.

Skills

Programming	Python, Java, PHP, C, Common Lisp, Prolog, Logtalk
Web	Flask, Drupal
Platforms	AWS, Android, Linux Server, Embedded Linux
Tools	LaTeX, Git, Vagrant, Chef, Jenkins, Buildroot
Languages	English (Native), Polish (A1)

Experience

Guyana Defence Force   *Georgetown, Guyana*
SENIOR SOFTWARE DEVELOPER   *Jan. 2018 - Present*
- Software development and project management in the Research and Development unit.

University of Guyana   *Georgetown, Guyana*
LAB INSTRUCTOR   *Oct. 2017 - Present*
- Supervising labs for various undergraduate computer science courses.

Kooyara, Inc.   *Remote*
SOFTWARE ENGINEER, ARTIFICIAL INTELLIGENCE   *Jan. 2017 - Mar. 2017*
- Designed a person-person recommender system ranking algorithm and implemented the MVP, along with a PHP-SDK to enable developers to access the system via a RESTful API.

Government of Guyana   *Georgetown, Guyana*
PROGRAMMER/IT ANALYST   *Jun. 2013 - Dec. 2014*
- Built data analysis tools.
- Coordinated and supervised the work of Information Technology Technicians and Information Analysts.
- Made recommendations for the purchase of technology resources.

Guyana Defence Force   *Timehri, Guyana*
OFFICER CADET   *Mar. 2012 - Jul. 2012*
- Training in military leadership skills.

Venus Global Communications   *Georgetown, Guyana*

Drupal Developer   *May 2011 - Mar. 2012*

- Drupal theming, bespoke module development and customising existing community modules.

Freelance   *Remote*

Software Engineer   *Aug. 2010 - Present*

- Python development mainly focused on web applications built on the Flask microframework.
- Git-vetted Drupal developer (https://www.drupal.org/u/el_toro).

University of Guyana   *Georgetown, Guyana*

Junior Software Developer   *Oct. 2009 - Jul. 2010, Jan. 2011 - Jul. 2011*

- Migrated obsolete Visual FoxPro systems to PHP.

Professional Certifications

International Software Testing Qualifications Board   *Warsaw, Poland*

Certified Tester Foundation Level, License 5323/2016   *Feb. 2016 - Present*

Memberships

Association for Computing Machinery   *-*

Professional Member   *Feb. 2015 - Present*

- Special Interest Groups: SIGMOBILE

Presentations, Proceedings and Papers

Orchestra Mobile Crowdsensing and Computing Platform: A Roadmap for Further Development   *Long Beach, California*

Black in AI Workshop - Remote Presentation   *Dec. 2017*

Remote presentation of poster for the Black in AI workshop that was co-located with NIPS'17.

Knowledge and Reasoning   *Georgetown, Guyana*

University of Guyana, Department of Computer Science   *Oct. 2017*

Two part introductory lecture to fourth year Computer Science undergraduates as part of their Artificial Intelligence I course.

Building a Platform to Collect Crowdsensing Data: Preliminary Considerations   *Albena, Bulgaria*

AMiTANS'17, Presentation by dr hab. Marcin Paprzycki   *Jun. 2017*

Sando George, Maria Ganzha, Marcin Paprzycki, Stefka Fidanova, Ivan Lirkov
  - Paper: `http://aip.scitation.org/doi/abs/10.1063/1.5007406`.

ProTag: A Prosodic Tagging Engine for Dynamic Text   *St. Augustine, Trinidad and Tobago*

DCIT Annual Computing Forum, UWI, Poster Exhibition by Mr. Lenandlar Singh   *Feb. 2012*

Sando George, Eldon Marks, Lenandlar Singh, Malcolm Williams

Awards

NIPS Conference Travel Grant   *Long Beach, California*

Black in AI Workshop   *Dec. 2017*

Travel grant, from the Black in AI workshop, and awarded based on a submitted extended abstract, to attend the Thirty-first Neural Information Processing Systems Annual Conference.

Government of Guyana Postgraduate Scholarship   *Warsaw, Poland*

Warsaw University of Technology   *Oct. 2015 - Jul. 2017*

Full scholarship to complete master's studies in the field of Computer Science.

Teaching

Lab Instructor *Georgetown, Guyana*
UNIVERSITY OF GUYANA *Oct. 2017 - Present*

- Data Structures and Analysis of Algorithms (Year II - Semester I)

Personal Projects

Webtalk -
WEB APPLICATION FRAMEWORK *Since Oct. 2017*

Webtalk is a repository of boilerplate code for building web applications using the Logtalk programming language. Github:
`https://github.com/sandogeorge/webtalk`

Orchestra -
MOBILE CROWDSENSING SYSTEM *Since Oct. 2016*

Orchestra is a system that enables data collectors to publish crowdsensing campaigns and make open calls for data contributions. Potential data contributors are able to subscribe to these campaigns and decide which sensors to share data from. Android App:
`https://play.google.com/store/apps/details?id=io.phasemetrics.orchestra`

PhaseMetrics.io -
PAAS APPLICATION *Since Jun. 2016*

PhaseMetrics is a PaaS that allows software developers to launch the critical infrastructure required to develop JADE-based distributed multiagent platforms. URL: `http://phasemetrics.io`

ImageField EPS -
DRUPAL MODULE *Since Oct. 2012*

Provides a field type that enables "pseudo-native" handling of the EPS (Encapsulated PostScript) vector format by providing a custom field to serve this purpose. URL: `https://www.drupal.org/project/imagefield_eps`