

## EDUCATION

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- MSc. Computer Science** **Brock University [ON, CA]** **Fall 2013 – Spring 2015**
- **Publication:** Feature Selection and Classification Using ALPS Genetic Programming **IEEE CEC, BC, Jul 2016**
  - **Courses:** Top in class in Genetic Programming, Evolutionary Computation and Parallel Algorithms
  - **Works:** [anthonyawuley.com/workandresearch/research](http://anthonyawuley.com/workandresearch/research)
  - **Presentations and Publications:** [anthonyawuley.com/workandresearch/publications](http://anthonyawuley.com/workandresearch/publications)
  - **Portfolio:** [anthonyawuley.com/portfolio](http://anthonyawuley.com/portfolio)
- BSc. Computer Engineering** **University of Ghana (ACC, GH)** **Aug, 2005 – May, 2009**
- **Thesis:** I designed and developed a complete hospital management system. [First Class Honors]
  - **Teaching & Research Assistant:** Designed and developed FPGA based Software Defined Radio

## EMPLOYMENT

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- Web Developer** **BHS Consultants [ON,CA]** **April 2016 – Present**
- I do backend programming, development and consulting for high traffic web-based solutions & applications.
  - Projects worked on: Clear Channel, iHeart Media, Billing/invoicing Systems, Virtual PBX, IBI
- Research Assistant** **Brock University [ON,CA]** **Aug, 2015 – Present**
- Lead developer: I design, develop and maintain NSERC funded educational modules for [www.cariboutests.com](http://www.cariboutests.com)
  - I lead the development of C and C++ based grammar parser and automatic theorem prover.
- Graduate Teaching Assistant** **Brock University [ON,CA]** **Sept, 2013 – Apr, 2016**
- I was a Lab Demonstrator/Marker/Grader for 9 different undergraduate computer science courses.
- Computer Programmer** **Niagara College [ON,CA]** **Jan 2015 – Mar 2015**
- I developed and maintained Precision Agriculture's web portal using C++, PHP, MySQL; MVC
- Core Network Engineer (Team Lead)** **Glo Mobile Ghana** **Jan 2010 – July 2013**
- I performed System Support and Optimization, Operations and Maintenance of Alcatel Lucent Next Generation Network Unix nodes such as: HLR, SDM, WCS, MGW, and Performance Technologies STP.
  - Configuration and Routing of Next Generation Core Network Nodes in Ghana and Nigeria
  - I performed daily network quality optimization tasks as well as ensuring 24/7 uptime service availability.

## PROJECTS AND TECHNICAL EXPERIENCE

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- Java based Evolutionary Computation Systems [2013 – Present]: I designed and developed ALPS, Genetic Algorithm, Genetic Programming, Ant Algorithms for Machine Learning, Computer Vision, and Data Mining.  
[aawuley.github.io/alps-ec/](http://aawuley.github.io/alps-ec/) | [aawuley.github.io/evolutionary-computation/](http://aawuley.github.io/evolutionary-computation/)
- Bulk subscriber management systems [2011 – 2013]: I designed and a system for processing bulk subscription data, Bulk SMS and MNP data using PHP, Bash shell scripting and Pearl.
- **Open Source Projects:** [github.com/aawuley](https://github.com/aawuley)

## ADDITIONAL EXPERIENCE AND AWARDS

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- Scholarships and Fellowships: Graduate, International, Research and UHIP Fellowships at Brock University
- Deans Honor List [2004 – 2009]: Awarded 5 times at University of Ghana.

## PROGRAMMING LANGUAGES, TECHNICAL SKILLS AND TELECOMMUNICATION

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- Linux; Unix; Bash Shell Scripting; Python; SS7; SIGTRAN; Wireshark, MATLAB;
- Java; C++; C#; SQL; MySQL; MSSQL; OOD/OOP; GIT; JIRA;
- PHP; XML; HTML; CSS; JavaScript; AJAX; jQuery; JSON; Apache; MVC; Laravel; Code Igniter;
- Computational Intelligence, Evolutionary Computation, Genetic Programming, Machine Learning