Gabriel Bayomi Tinoco Kalejaiye

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Education

Carnegie Mellon University   *Pittsburgh, PA, USA*

MASTER OF SCIENCE, SCHOOL OF COMPUTER SCIENCE, INTELLIGENT INFORMATION SYSTEMS   *Aug 2017 - Dec 2018*

- I'm focused on the processing and analysis of unstructured and semi-structured information: text, image, video, speech, and audio information.

Cornell University   *Ithaca, NY, USA*

COMPUTER SCIENCE, SCIENCE WITHOUT BORDERS SCHOLAR - EXCHANGE STUDENT   *Fall 2014, Spring 2015*

- GPA: 3.71/4.0; Dean's List; Full Year Scholarship - Science Without Borders.

University of Brasilia   *Brasilia, DF, Brazil*

B.S. IN ELECTRICAL ENGINEERING   *Mar. 2012 - Aug. 2017*

- GPA: 4.21/5.0; Young Talents for Science Scholarship.

Experience

Kraft Heinz   *Neropolis, GO, Brazil*

ENGINEER INTERN, DATA ANALYSIS   *Winter 2017*

- Implemented data processing techniques with regression/ML models to improve Kraft Heinz industrial process in Brazil, saving more than $300,000/year for the company branch with the project. I used as Stack/Frameworks/Libraries: Python, Javascript; scikit-learn, openpyxl, Tkinter, HTML/CSS/JQuery.

Brightcove, Boston HQ   *Boston, MA, USA*

SOFTWARE DEVELOPER INTERN   *Summer 2016*

- Implemented a new taxonomy structure, using graphs algorithms with client's data, using Express, Angular, Node.js and ElasticSearch.

Stanford Crowd Research   *Online, Remote*

RESEARCHER, REMOTE   *2016*

- Among the top contributors of the international crowd-research initiative, I helped to build an optimized crowdworking platform.
- **Publications**: *CSCW '17* (`http://hci.stanford.edu/publications/2017/crowdguilds/guilds.pdf`).

Brightcove, Boston HQ   *Boston, MA, USA*

SOFTWARE DEVELOPER INTERN   *Summer 2015*

- I developed the integration, front-end, DRM authentication and BCOV ads of video player platforms for Chromecast and FireTV, using mostly the MEAN stack. Also developed a platform to visualize and analyze real-time data from video stream, using d3.js, Node.js and Firebase.

University of Brasilia   *Brasilia, DF, Brazil*

UNDERGRADUATE STUDENT RESEARCHER, YOUNG TALENTS FOR SCIENCE SCHOLARSHIP   *2012-2016*

- Our research team won the Maniac Challenge 2013. Besides that, I've worked in a diverse set of research projects in computer communications, machine learning and computational social science.
- **Publications**: *SocialSens'17, IoTDI '17, ACM SIGCOMM Computer Communication Review 13'*: `http://gbayomi.com/publications`.

Projects (`gbayomi.com/portfolio`)

KARDASHIAN CHATBOT   *2017*

- I collected thousands of Kardashian's tweets and used a Seq2Seq wrapper to build an online Python chatbot with Tensorflow and Flask

WINDY GRIDWORLD PROBLEM   *2016*

- Demo: `https://gbayomi.github.io/windy/`. A visualization of SARSA and Q-Learning, reinforcement learning algorithms, solving the Windy Grid World for a variable set of inputs.

GLOBO HACKATHON (3RD PLACE AND TECH JOURNALISM PRIZE)   *2016*

- We built a data-driven immersion App with Google Cardboard and news clustering to provide a historical immersion experience with a vivid storyline to users.

DATA CLUSTERING AND VISUALIZATION FOR THE QSUNIVERSITIES RANKING   *2015*

- Demo: `https://gbayomi.github.io/RankingUni-Data/`. Dynamic data visualization for the QS Ranking topics of evaluation, using D3.js and k-means clustering.

Languages, Technologies and Other Skills

- **Skills:**: Python, Javascript (proficient); Java, C, Matlab, Swift/Objective-C (coursework); scikit-learn; Numpy; mrjob; Tensorflow; MySQL; NLTK; d3.js; JQuery; Node.js; Express
- **Relevant Coursework:** Machine Learning; Search Engines; Big Data Analytics; Intelligent Systems; Dynamic Control; Probability and Statistics; Data-Driven Web Applications; Linear Dynamic Analysis; Web Programming; iOS App Development; Systems Engineering; Ad-Hoc Networks; Networks

Honors & Awards

Year	Award	Location
2012	**Young Talents for Science Scholarship**, CAPES, Brazilian Government	*Brasilia, Brazil*
2013	**Best Strategy Prize**, Maniac Challenge 2013, IETF/IRTF	*Berlin, Germany*
2014	**Science Without Borders Scholarship**, CAPES, Brazilian Government	*Brasilia, Brazil*
2014/15	**Dean's List**, Cornell's College of Engineering	*Ithaca, NY*
2016	**Best Tech Project for Journalism & 3rd Best Tech Project Overall**, Globo Hackathon	*RJ, Brazil*
2017	**Fellowship (33 out of 84,000 students)**, Fundacao Estudar	*SP, Brazil*