Gabriel Bayomi Tinoco Kalejaiye

☐ (+1) 412-258-0696 | ✉ gbayomi@cs.cmu.edu | 🏠 www.cs.cmu.edu/~gbayomi | gbayomi | gbayomi | 🐦 @gbayomi | Ⓢ gbayomi

Education
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Carnegie Mellon University, School of Computer Science   *Pittsburgh, PA, USA*

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

• Courses: Machine Learning, Language & Statistics, Multimodal Machine Learning.

Cornell University   *Ithaca, NY, USA*

COMPUTER SCIENCE, 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.

Work Experience
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Kraft Heinz   *Neropolis, GO, Brazil*

SUMMER INTERN   *December 2016 - February 2017*

• Implemented data processing techniques with regression + machine learning models to improve Kraft Heinz industrial process in Brazil, saving more than $300,000/year for the company branch with the project. **Technologies Used:** 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. **Technologies Used:** Express, Node.js, ElasticSearch, JS/HTML/CSS.

Brightcove, Boston HQ   *Boston, MA, USA*

SOFTWARE DEVELOPER INTERN   *Summer 2015*

• Developed the integration, front-end, DRM authentication and BCOV ads of video player platforms for Chromecast and FireTV. Also developed a platform to visualize and analyze real-time data from video stream. **Technologies Used:** Express, Node.js, d3.js and Firebase.

Research Experience
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Carnegie Mellon University, Articulab   *Pittsburgh*

GRADUATE RESEARCH ASSISTANT   *2017*

• Worked on socially-aware artificial intelligence: machine learning, natural language processing and multimodal interactions for crowdsourcing applications.

Stanford University, Crowd Research Collective   *Online, Remote*

RESEARCHER   *2016*

• Helped to build an optimized crowdworking platform. **Publications**: *CSCW '17* (`http://stanford.io/2isRYkt`).

University of Brasilia   *Brasilia, DF, Brazil*

RESEARCH ASSISTANT, YOUNG TALENTS FOR SCIENCE SCHOLAR   *2012-2016*

• Worked in a diverse set of projects in computer communications, machine learning, natural language processing and computational social science. **Publications**: *SocialSens'17, IoTDI '17, ACM SIGCOMM CCR 13'*: `https://www.cs.cmu.edu/~gbayomi/pubs`.

Projects (`https://cs.cmu.edu/~gbayomi/portfolio`)
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KARDASHIAN AI-BASED CHATBOT   *2017*

• Collected thousands of Kardashian's tweets and used a Seq2Seq wrapper to build a machine learning based chatbot with Python's Tensorflow and Flask.

GLOBO LIVE TV HACKATHON (PRIZE: BEST TECH FOR JOURNALISM)   *2016*

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

WINDY GRIDWORLD PROBLEM   *2016*

• Implemented a visualization of SARSA + Q-Learning, reinforcement learning algorithms, for the Windy Grid World problem. Demo: `https://gbayomi.github.io/windy/`

DATA CLUSTERING AND VISUALIZATION FOR THE QSUNIVERSITIES RANKING   *2015*

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

Skills
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• **Programming Languages:**: Python, Javascript, Java, Matlab, PHP, C/C++; HTML/CSS
• **Technologies:**: SQL, noSQL, scikit-learn, Numpy, Tensorflow, MySQL, NLTK, d3.js, JQuery, Node.js, Express; Swift/Objective-C (coursework)
• **Relevant Coursework:** Machine Learning; Language and Statistics; Advanced Multimodal Machine Learning; Intelligent Systems; Dynamic Control; Probability and Statistics; Data-Driven Web Applications; Linear Dynamic Analysis; Web Programming; iOS App Development; Systems Engineering

Honors & Awards
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2017	**Estudar Fellowship (33 out of 84,000 students),** Fundacao Estudar	*SP, Brazil*
2016	**Best Tech Project for Journalism & 3rd Best Tech Project Overall,** Globo Hackathon	*RJ, Brazil*
2014/15	**Dean's List,** Cornell's College of Engineering	*Ithaca, NY*
2013	**Best Strategy Prize,** Maniac Challenge 2013, IETF/IRTF	*Berlin, Germany*