

Yahia Bakour



US Citizen, Born 11/19/1998



yehia234@bu.edu



+1 (352)-650-8643



<https://yahiabakour.com/>



<https://github.com/YahiaBakour/>



<https://www.linkedin.com/in/yahia-bakour/>



Interests Include Nespresso, Binge-watching TV, and solving problems

Education

Boston University | B.S Computer Engineering | Graduating May 2020 | Dean's List | **GPA:3.7**

Relevant Coursework

Software Engineering, Applied Algorithms & Data Structures, Advanced Data Structures, Parallel Algorithms for High Performance Computing, Operating Systems, Client-Server Software, Digital Design, Computer Organization, Probability Theory In ECE, Intro To Electronics, Engineering Computation++, Intro to Software Engineering, Discrete Math, Differential-equations.

The International School of Choueifat, Lebanon | High School Diploma | Graduated Sept 2016 | Top 5 % of the graduating class

Skills

Programming Languages: Python, C, C++.

Web-Dev : C#, .NET MVC4, HTML, JQuery, CSS, JS, React.Js, Python & Flask

Environment: Extensive experience with Linux & Windows

Other: Google Cloud Console, Vim Editor, Crontab & Cronjob management, Visual Studio , Git (GitHub & BitBucket), Wordpress CMS, Automation Software

Extra-Curricular

Freelance Web Development:

- Arab Regional ISPs & DSPs Association (ARISPA)

- Boston University's Latin American Studies Center

- Arab Regional Center for Agricultural and Development Studies (ARCADSAC)

- Maxtel Holdings LLC

Work Experience & Internships

Jun-Aug'19 **GT&O Summer Analyst, Bank of America Merrill Lynch** Pennington, NJ

- Worked as a Front-end engineer in the Benefits Online division and completed over 50 story points (1 sp = 6 hours of work) in features in a span of 2 months. All of my code is currently in production.
- Built features on an existing codebase using C# (in the .NET MVC4 Framework), HTML5, CSS, and JQuery within the Visual Studio environment.
- Attended & contributed to stand-ups, sprint planning, grooming sessions, and product increment planning.

Jan-May'19 **Software Engineering Intern, Libring Technologies** Greater Boston Area

- Designed a Python Discord bot coupled with a unique permissions system to allow non-tech savvy employees to be able to run reporting operations on remote servers.
- Automated server reporting & MySQL database backups to a remote GCS Bucket. Implemented web-hooks to allow efficient tracking of customer & end user platform interactions.
- Automated weekly & monthly KPI data collection from sources including but not limited to : Google Analytics, Hubspot API, Marketing MySQL Database, Jira API, and a variety of Google Cloud APIs.

Sept-Dec'18 **Systems Integration Intern, Libring Technologies** Greater Boston Area

- Tasked with the project of digital System Integration. The project's main goal is to connect several digital internal systems utilizing in-depth knowledge of Database Schema & design, Python Scripting, and PHP.
- Worked with REST APIs and MySQL Databases within an agile framework to integrate marketing automation and CRM software for a fully automated & scalable system in the CentOS Linux environment.

Aug-May'19 **Teaching Assistant, Boston University ECE Department** Boston, MA

- **EC 504 Advanced Data Structures** : Tasked with writing auto-grader scripts in C++, holding office hours, and grading exams.
- **EC 330 Applied Algorithms & Data Structures** : Graded student's homework & exams through the usage of python & C++ scripts.
- **EC 311 Introduction to Logic Design** : Responsible for proctoring labs & exams, reviewing submitted Verilog hardware code and grading homework.

Nov-Aug'18 **Math Teacher, ASC English** Allston, MA

- Math teacher for accelerated learning classes at ASC English: In charge of teaching multiple levels of middle and high school math to classes of 30 students in diverse settings.
- Tasked with designing the Math curriculum for the A+ Saturday program to comply with state standards.

Academic & Personal Projects

Oct'19-Now **Spoiled4you.io**

Currently building a web-app that will allow the user to schedule spoilers to be sent to their friends. Spoilers will be scraped from Imdb & Wikipedia. Tech used includes a Flask Backend, Jinja2/HTML/CSS/Jquery Frontend, remote MySQL DB, and Google Cloud.

Jan-May'19 **Parallelizing Multiscale Edge Detection**

Wrote Image Multiscale Edge Detection Code in C++ and proceeded to parallelize it using OpenACC on Tesla GPUs, OpenMPI with 2-20 cores, and FFT Convolutions for a code speedup of up to 20x.

Jan-May'19 **WhereYaGoin**

Designed a flask web application that users can utilize to plan their vacation trips. The web application uses a google places API, Yelp API, Google SSO, mongo-db database and a caching system.