

## RESUME PROFILE

I am a self-motivated, highly flexible, mathematically minded, Undergraduate Student at the University of Pennsylvania with a passion for all things technology related, such as systems administration, financial services, networking, computer science, information technology, troubleshooting, internet security, software engineering, as well as mechanical engineering. I have written mobile applications in Object Oriented languages; Android in Java, using the Android SDK; as well as cross-platform apps for web, iOS and Android in Unity, utilizing C#; I have even written cross-platform applications for gathering ergometer data via Bluetooth through phonegap and Cordova. I have used functional programming languages as well, well versed in OCaml and Haskell. I have experience running servers, typically using Ubuntu server edition, but I also have experience with many flavors of Linux. I have experience with HTML5.0, with the capability of utilizing HTML, JavaScript, CSS, PHP (especially the Laravel framework), and Node.JS (and sometimes Python for the backend) to create efficient websites. I have utilized machine learning to topic model linguistic data, especially focusing on small strings, such as query data. I remain passionate about both building and manipulating software, and I am seeking additional experience in both areas.

## EDUCATION

Graduated with Honors from Lower Merion High School Class of 2016

Current Undergraduate at the University of Pennsylvania Class of 2020 Double Majoring in Computer Science and English

## EXPERIENCE

### Software Development

- **Summer 2017** Junior Software Developer at Arteric

### Technical Support

- Troubleshooting, maintaining, and servicing technology for the neighborhood.
- **Summer 2017** Volunteer at New Africa Center in West Philadelphia

### Lifeguard

- **Summer 2015, 2016:** Lifeguard for Lower Merion Township Parks and Recreation
- **Summer 2015:** Red Cross Certified Lifeguard

### University of Pennsylvania

- **Fall 2016 – Fall 2017:** Student Worker at the Quadrangle Info Center
- **Spring 2017, Fall 2017:** Teaching Assistant for CIS 110 Introduction to Computer Programming

## RELEVANT STUDIES

Math 114 (Calculus 3), CIS 120 Programming Languages and Techniques, CIS 160 Mathematical Foundations of Computer Science, CIS 121 Data Structures and Algorithms, CIS 262 Automata Computability and Complexity

## MEMBERSHIPS

- Tech It Out! – Computer Science Mentor for Philadelphia Youth under Google's IgniteCS Program
- WQHS Student Radio Systems Administrator
- Member of PennApps Staff 2017
- Technology Director for Harrison Meyer's 2017 bid for Lower Merion School Board
- Played Bassoon for 5 years, Saxophone for 7, and Piano since the age of 5

## WEBSITES CONTRIBUTED TO

- Arteric.com
- WQHSRadio.org
- AldenHallak.com
- HarrisonMeyer2017.com
- seas.upenn.edu/~halal/ (the halal zone)