

## **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

## **HONORS, AWARDS, AND MEMBERSHIPS**

- WQHS Student Radio Systems Administrator
- Member of PennApps Staff 2017
- Tech It Out! - Philadelphia Mentor for Philadelphia Youth
- Technology Director for Harrison Meyer's 2017 bid for 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)