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| Website: [afomer.me](http://afomer.me)  Github: [afomer](https://github.com/afomer) | **Abubaker Omer** | | | (+974) 55276091  [afomeer@gmail.com](mailto:afomeer@gmail.com) |
| **Employment** | | | | |
| **Software Engineering Intern** | **Lumos (Startup)** | | | June 2017 - Present |
| * Built a scheduled Web scraper to extract the details of university events from the calendars   of 6 different universities.   * Restructured the events database to serve at a real-time performance. * Reduced production costs by more than 80%. * Worked closely with the design team on the UI and UX of the iOS app. | | | | |
| **Cyber Security Intern** | | QCRI | June - August 2016 | |
| * Deployed a malware honeypot in a Raspberry Pi 2 to detect malicious activity in QCRI’s internal network. * Implemented a log shipper to process, index, and send logs in real-time to an Elasticsearch Server. * Used a Kibana server to visualize malicious activity from shipped logs. | | | | |
| **Education** | | | | |
| **BS in Computer Science** | **Carnegie Mellon University** | | | **Class of 2019** |
| *- Coursework:* Parallel & Sequential Data Structures | Functional Programming | Intro to Computer Systems  | Graph Theory | Embedded Systems  *- Minor:* Business Administration | | | | |
| **Projects** | | | | |
| **Comment Share** (June 2017) | [Chrome Extension](https://chrome.google.com/webstore/detail/commentshare-share-commen/aniihnopcpimaccfoafmemphkmjklldp) | 1-Person Project   * Share YouTube comments and specify the video starting time with less than 4 clicks. * Render YouTube pages to include a Share button in every YouTube comment. * Share Comments and the associated YouTube video to Facebook, Twitter, Reddit, and CommentsHub.   - JavaScript, NodeJS. Socket.IO, Mustache Templating System, Bootstrap, and Firebase.  **Carnegie Mellon University Events App** (July 2017) | [iOS Application](https://expo.io/@afomer/eceventsapp) | 1-Person Project   * CMU-Q based events iOS app * Created a scheduled Web scraper to fetch events from CMU-Q’s official calendar. * Implemented an event recommendation card-swipe view. * Integrated Facebook Login to allow faster and easier user authentication. * Added the ability to see Facebook friends attending recommended events.   - React Native, expo.io, JavaScript, Heroku, and Firebase.  **NIXT ChatBox** (Dec 2016) | [C Program](https://github.com/afomer/Nixt-Chatbox) | 2-person Project   * Multi-threaded UNIX-based instant messaging system that allows both private and group chats. * Created the client-server communication protocol. * Built the server-side of the project, and implemented the concurrency in the client-side.   - C, Socket & Thread Programming, POSIX Threads. | | | | |
| **Awards** | | | | |
| **Awarded 1st Place, CS50x Coding Contest by Harvard University, 2016:**   * Won an online programming contest, out of 659 participants from 89 countries. | | | | |
| **Skills** | | | | |
| *Programming Languages (Proficient):* Python, C, JavaScript & NodeJS , Standard ML, HTML/CSS, React Native.  *Interests*: Social Psychology, Mobile Development, Mobile UI/UX, Peer-to-Peer Networks. | | | | |