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MUAZ RAHMAN

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EDUCATION

Washington, DC   **George Washington University**   Fall 2011 - May 2015
- *B.S. in Computer Engineering, Minor in Computer Science.*
- Undergraduate Coursework (includes): Algorithms, Data Structures, Operating Systems, Mobile Development, Software Engineering, Computer Networks, Computer Architecture and Design, Computer Organization, Embedded Systems, Microcontroller Software/Hardware Design.

WORK EXPERIENCE

Software Engineer   **Amazon**   Aug 2015 – Present
- Working on the Amazon Logistics Team. Core Trans Technology.

Android Engineer   **Sandboxx**   Jan 2015 – Aug 2015
- Developing from inception the Android framework and application for Sandboxx.
- Serving over 1000+ users.

Android Developer Intern   **Raytheon Blackbird Technologies**   Dec 2014 – Present
- Designing and building native Android applications from ground-up to support company projects.
- Android applications built with emphasis on persistence, concurrency, and modularity.

Android Developer Intern   **The Washington Post**   June 2014 – Aug 2014
- Implemented blackbox & whitebox automation testing system for company flagship Android application.
- Other tasks included: bug fixes, feature designs, and continuous integration using Jenkins.

Information Technology Intern   **The Solutions Group**   July 2012 – Sept 2013
- Responded to first and second-tier tech related issues for over 100+ clients.
- Computer optimizations, hardware integration, on-site configurations, and software support.

TECHNICAL EXPERIENCE

Projects (more at github.com/muazra):

- **Keyless Entry System** [Current]: Smart home technology to allow wireless locking and unlocking via unique facial recognition algorithms. Interfaced using Android & web application. Backend built via Flask & MongoDB.

- **Snapster** [Current]: Android app to allow for anonymous viewing/posting of images and videos from anywhere with an integrated reddit-style scoring algorithm. User options per post include: upvoting, downvoting, and flagging.

- **Fuse-XML** [Fall 2014]: File-system in Userspace written for the Linux kernel based on XML tree schema. Allows users to mount/unmount unique and original file systems to use in userspace. Design based on FUSE library.

- **Synchronous** [Fall 2014]: Android app that allows users to save their contact cards and share across other android devices. Data persistence using Parse backend service to integrate user objects and user sessions.

- **Wizard-WiFi** [Spring 2014]: Android app that toggles wireless network connection based on previously saved user locations. Automates process to conserve mobile data usage for user.

- **Simon-AVR** [Fall 2013]: Classic Simon LED Game built on a custom-built and soldered PCB. Programmed using AVR C and AVR microcontroller. Incorporates analog-to-digital conversion, eeprom, and serial programming.

Languages and Technologies:

- Java, C (advanced), Python, HTML, CSS, JSON, XML (proficient), Javascript, SQL (prior experience).
- Android Studios, Eclipse (advanced). Flask, MongoDB, PyCharm, Git (proficient), AWS (prior experience).