Ali Ziyaan Momin

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EDUCATION

The University of Texas at Austin	B.S. in Electrical Engineering	May 2018
	Track: Software Engineering and Design	

EXPERIENCE

The Home Depot   June 2018 – Present
Sr. Software Engineer, Customer Loyalty Program   Austin, TX
- Developing Java Spring backend apps to support a next generation PRO Customer Loyalty Experience
- Working with numerous Google Cloud Platform technologies including Spanner, BigQuery and Dataflow
- Mentoring junior engineers on the team to incorporate good coding practices for developing RESTful APIs

American International Group   Summer 2017
Information Security Intern, IT Security Assessment and Effectiveness   Houston, TX
- Handled security issues and vulnerabilities for nearly 800K assets in numerous offices around the globe
- Spearheaded the asset tagging project for easier asset classification and reporting
- Wrote numerous scripts to automate many asset discovery and scan processes

PROJECTS

"TORC" Motorized Skate Shoes   Fall 2017 – Spring 2018
Project Leader   Austin, TX
- Led a team of five electrical engineers to develop a prototype to solve the "*last mile problem*"
- The prototype used DC motors and lithium ion batteries to provide a top speed of 7 mph and 15 miles of range
- Collaborated on prototype design and hardware engineering and presented project progress to stakeholders

"WhatToWatch" Web Application   Fall 2017
Programmer   Austin, TX
- Created a user-friendly website that accumulated movies from major streaming sites like Netflix
- Developed an algorithm that provided quick and relevant movie recommendations
- Collaborated on the back-end and data load for the application using Python, Django and PostgreSQL

"Falling Bricks" Video Game   Fall 2015
Programmer   Austin, TX
- Voted best and most fun game in Valvano's Game Design Competition for embedded systems class
- Collaborated with a partner to develop a video game that ran on a TI TM4C microcontroller
- Scripted the game in C which included color animations and audio through a homemade 8-bit DAC

EXTRACURRICULAR ACTIVITIES

Centre for Identity   February 2015 – April 2015
- Worked on the PrivacyCheck plugin for the Chrome web browser which rated online privacy policies
- Assisted in training a machine learning algorithm to be able to rate privacy policies correctly and effectively

AKF Volunteer Program   August 2014 – December 2015
- Developed a SQL database from several csv files and created an intuitive user interface for database operations
- Assisted in creating a login form for several thousand volunteers to sign-in daily

ADDITIONAL INFORMATION

Computer Skills: Proficient in C, C++, Java, Spring Framework, Python, Django, SQL, and Linux/Unix
Languages: Fluent in English, Urdu and Hindi
Interests: Play soccer with local club, hiking in the National Parks, fitness
Work Eligibility: Eligible to work in the U.S. with no restrictions