

Ali Ziyaan Momin

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EDUCATION

The University of Texas at Austin

B.S. in Electrical Engineering
Track: Software Engineering and Design

May 2018

EXPERIENCE

The Home Depot

June 2018 – Present

Sr. Software Engineer, Customer Loyalty Program

Austin, TX

- Developed a Java Spring backend to support a next generation PRO Customer Loyalty Experience
- Worked with numerous Google Cloud Platform technologies including Spanner, BigQuery and Dataflow
- Mentored 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