

Ali Ziyaan Momin

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Electrical Engineering Track: Software Engineering and Design	May 2018
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Relevant Courses: *Algorithms, Data Structures, Operating Systems, Software Engineering & Design, Distributed Systems*

EXPERIENCE

The Home Depot	June 2018 - Present
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Software Engineer, Customer Loyalty Program, Austin TX

- Developing a Java Spring backend supporting a next generation PRO Customer Loyalty Platform
- Experience with numerous Google Cloud Platform technologies including Spanner, BigQuery and Pub/Sub
- Ensuring test coverage exceeds 95% for all deployed code via TestNG and Cucumber based tests

American International Group (AIG)	Summer 2017
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Information Security Intern, IT Security Assessment and Effectiveness, Houston, TX

- Handled security issues and vulnerabilities for nearly 800K assets in global offices
- Spearheaded the asset tagging project for easier asset classification and reporting
- Automated asset discovery and scan processes for efficiency in management using Python

PROJECTS

"TORC" Motorized Skate Shoes	Fall 2017 – Spring 2018
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Project Leader, Austin TX

- Led a team of five electrical engineers to develop a prototype to solve the "*last mile problem*"
- Collaborated on prototype design and hardware engineering to present project progress to stakeholders
- Built a powertrain allowing for speeds of up to 7mph and a 15-mile range in a portable design

"WhatToWatch" Web Application	Fall 2017
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Programmer, Austin TX

- Created a user-friendly website that accumulated movies from major streaming sites such as Netflix, Hulu, and Amazon
- Architected an algorithm to provide quick and relevant movie recommendations
- Facilitated on the backend and data load for the application using Python, Django Framework, and PostgreSQL

"Falling Bricks" Video Game	Spring 2017
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Programmer, Austin TX

- Collaborated with a partner to develop a video game that ran on a TI TM4C microcontroller
- Scripted video game in C to include color animations and audio through a homemade 8-bit DAC
- Voted best and most fun game in Valvano's Game Design Competition for embedded systems class

Ismaili Community Engaged in Responsible Volunteering (I-CERV)	Fall 2016-Spring 2017
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Database Administrator, Austin TX

- Established a SQL database from several csv files and created an intuitive user interface for database operations
- Assisted in creating a login form for hundreds of volunteers to sign-in daily

ADDITIONAL INFORMATION

Computer Skills: Proficient in C, C++, Java, Spring, Python, Django, SQL, and Linux/Unix

Languages: Fluent in English, Urdu and Hindi

Interests: Soccer at local club (Let's Play Soccer), fitness, hiking in the National Parks