Saad Najmi

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EDUCATION

The University of Texas at Austin

- Bachelor of Science, Computer Engineering, 2017
- Bachelor of Science, Physics, 2017
- GPA 3.1 / 4.0

Courses:

Engineering Programming Languages, Concurrent and Distributed Systems, Intro to Embedded Systems, Linear Systems and Signals, Quantum Physics, Advanced Physics Lab

EXPERIENCE

Microsoft – Software Engineering Intern (Summer 2016)

- Revamped the telemetry system of Office 365 Notifications.
- Set up dashboards to facilitate data focused engineering and decision making
- Worked with the engineering and PM team to deliver the notifications telemetry

Intel - Product Development Group Intern (Summer 2015)

- Worked in the pre–silicon validation group as a debugger
- Used Debugging techniques on large sets of code describing hardware
- Traced signals and code execution through C, assembly, Verilog, and system Verilog

UT Austin - Research Assistant (Dr. C. Markert) (Summer 2015)

- Conducted physics research with the ALICE experiment at the LHC Collider
- Ran simulations of particle collisions using C++ framework called ROOT
- Analyzed effect of energy loss inside detector via mass reconstruction of particles

Helping Hand USA - Marketing & Outreach Intern (Summer 2012)

- Planned, marketed, and conducted fund raising events
- Developed and managed database of local affiliates in MS Excel
- Coordinated speaking engagements

PROJECTS

Event App for Lone Star Council Showdown (March 2015)

- Developed multi-platform web app for event with ~600 attendees
- Created app with Ionic and AngularJS JavaScript frameworks
- App includes schedule synched with server, live twitter feed, and local attractions

Finger Music (October 2014)

- Used Leap Motion sensor to create virtual piano using hands in 3D space

Selfie Automata Generator (October 2015)

- Used Wolfram Language to generate mathematical structures based on an image

SKILLS

Languages: C/C++, Java, C#, Python, JavaScript, ARM Assembly, LC3 Assembly

Other: Data Analysis, Android Development, Web Development

EXTRA CURRICULAR ACTIVITIES

- Society of Physics Students, *Secretary* (2015-Present)
- Sigma Pi Sigma Physics Honors Society, *Member* (2015-Present)
- Astronomy Student Association, *Member* (2013-Present)
- Muslim Students Association, *Member* (2013-Present)
- Muslim Youth of North America, *Secretary (South Central Region)* (2013 – 2014)