Hassan Ali

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Education

University of Minnesota- Twin Cities — Minneapolis, Minnesota
BS Computer Engineering *GPA: 3.3* — Sep 2017 - May 2020

Normandale Community College — Bloomington, Minnesota
AS Engineering Broadfield *High Honors* — Aug 2014 - May 2017

Professional Experience

IPG Photonics — Minneapolis, MN
Applications Engineer- Intern — May 2018 | August 2018

- Assisted with the planning, design, and installation of laser machinery and equipment in an industrial environment, using knowledge of engineering and programming as well as specialized instruments and computers
- Designed and implemented wet cut pump used on Versa stent cutting system, increased system efficiency by 25%

Projects

Cloud Office Hours *Particle, IOT, HTML*
System designed to send alerts to students in database of professors live availability

Bluetooth Controlled Alarm Clock *C, PIC24, Bluetooth UART Controller*
Implemented and designed a wireless accessible alarm clock displayed on an LCD which the settings can be changed through UART module on any mobile device.

Leadership and Achievements

National Society of Black Engineers — Minneapolis, MN
Executive Board Member- Publicity Chair — May 2018 | Present

- Promote public awareness of engineering and the opportunities for Blacks and other minorities in that profession
- Stimulate and develop student interest in the various engineering disciplines
- Strive to increase the number of minority students studying engineering at both the undergraduate and graduate levels
- Increased attendance by 15%

Jumpstart — Minneapolis, MN
Student Ambassador — August 2018 | Present

- Familiarize Jumpstart's platform and recruit students from University of Minnesota to use the app for a convenient way to get connected with companies & startups
- Market the Jumpstart app to interested students through information sessions, social media, and digital marketing
- Clarify student questions about Jumpstart's platform & communicate with staff members on a regular basis for updates and feedback
- Collaborate with other Jumpstart Student Ambassadors at University of Minnesota to brainstorm and prepare creative ways to expand & improve the Jumpstart app for students across the nation

National Science Foundation — National Science Foundation
Award Recipient — August 2014 | May 2016

- Two year scholarship received on outstanding academic excellence

Skills

Python, Java, C/C++, JavaScript, HTML, CSS, LaTex, Ruby, PHP