

# M. Jafar Rizvi

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## EDUCATION

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**University of Illinois at Urbana-Champaign, IL**  
Bachelor of Science in Computer Engineering

Expected: Dec 2020

**William Rainey Harper College at Palatine, IL**  
Associate in Engineering Science  
Dean's List, Phi Theta Kappa, Honors Society

May 2017

## TECHNICAL SKILLS

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**Programming Languages:** C++, C, Python, MySQL, PHP, HTML, CSS, Bootstrap, GitHub, LaTeX, System Verilog

**Enterprise Tools:** Splunk, Apache, LAMP Stack

**Software Applications:** Quartus, Arduino, Dreamweaver, MS Office Suite, Adobe Suite, SCCM, Microsoft AD

## PROFESSIONAL EXPERIENCE

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### Mastercard, Enterprise Monitoring

**O'Fallon, MO**

Software Engineering Intern

May 2019 – Aug 2019

- Developed web application that allow teams to sign up for monitoring alerts for a full file systems (**PHP,HTML**)
- Integrated the tool with event management for monitoring requests from file systems (**UNIX/Linux**)
- Created an audit log database used **MySQL**
- Learned and completed **Splunk Core Certified Power User** training
- Hackathon Project: Designed a prototype for a Financial Literacy Application - **Winner**

### University of Illinois, NetMath

**Urbana, IL**

LaTeX Software Editor

Aug 2018 – Aug 2019

- Developed manuscript using (**LaTeX**) ensuring accuracy and consistency of mathematical analysis
- Tested and optimized older manuscript

### University of Illinois College of ACES

**Urbana, IL**

IT Desktop Support Specialist Level II

Dec 2017 – Aug 2019

- Administered and provided technical support of applications and hardware used in offices and classrooms
- Assisted faculty, staff and students in solving a wide range of technology troubleshooting problems
- Upgraded existing software(s) with a newer platform using Microsoft System Center Configuration Manager

## PROJECTS

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**Operating System (Dec 2019):** Worked in a team of 4 people. Developed a basic functioning operating system. (**C** and **x86**)

**Financial Literacy Application (Aug 2019):** This application from Mastercard will serve as a Financial Wellness Coach in a tap. By arming consumers with instant access to financial knowledge, it takes the stress out of money, budgeting, debt, and personal financial decisions so they can be more intentional about their money

**Brick Breaker Game (Dec 2018):** Utilized (**System Verilog, C**) to design an interactive game based upon the classic game brick breaker. The object of brick breaker is to break the bricks that are distributed around the top of the game screen. The bricks are broken after coming in contact with a ball that bounces around the screen

**Arduino Controlled RC Car (Jun 2017):** Designed and tested a vehicle using the following elements: **Arduino**, DC motors, mechanical bumpers, and line follower. Programmed **Arduino** using (**C**) to monitor signals from bumpers and line follower to help the vehicle navigate through a course

**MiPie, Mhacks 9 (Hackathon) (Mar 2017):** Co-created a micro investing slackbot to allow users to buy pieces of stock by using slack API (**Python, C++**). **Won the best hack prize by 1517**, an early investor that funds ideas of young makers

## HONORS/AWARDS/ORGANIZATIONS

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- University of Illinois, Illini Hacker:** Member Aug 2017 – Present
- One Millions Degrees Scholarship:** Recipient, Ambassador, Alumni May 2017 – Present
- Finishing Strong Engineering Scholarship:** Recipient May 2017