MUIN MOMIN
SOFTWARE ENGINEER

❯ Experience

Microsoft
Explore Intern (Software Engineer and Program Manager)

Redmond, WA
May 2016 to Aug 2016

- Explore intern on the Edge team focusing on PC First Experiences.
- Designed, implemented, and tested feature from start to finish.
- C++/CX and XAML.

Freelance
Freelance Software Engineer

Winter 2015

- Developed an iOS application in Swift to help private business with inventory restocking.
- Application scans UPC barcodes and uses business's database to create a restocking order.
- Order is created as a list to allow for easier shopping.
- Shows history of all previous orders by timestamp.
- Increased ordering efficiency by 600%.

CodePath
Student

Spring 2016

- Completed 12 week program to learn Swift, with 2 hours instructional time and 1 project per week. 5-10 hours per project.
- Same class used to train engineers at Facebook, Google, Microsoft, Apple, Uber, etc.

❯ Personal Projects

Holopresent (HoloLens AR Hack)
- Developed a tool that lets users create fully holographic presentations with three dimensional transitions in the HoloLens (Microsoft's AR device).
- Used Unity and C#.
- Part of Microsoft's global //oneweek hackathon.

ProxyChat (github.com/muinmomin/ProxyChat)
- iOS app that allows communication between other devices without needing cellular or WiFi connection.
- Uses multipeer connectivity to daisy chain multiple iDevices together to create a mesh network.
- Swift 2.0, Xcode.
- Won 1st place audience choice award and 3rd place judges.

PiCar (github.com/muinmomin/PiCar)
- Python based remote control car with a live camera feed. Made using a Raspberry Pi and wirelessly controlled from a website.
- Camera streams wirelessly from the car to the car's control page which can be accessed from any device with internet.
- Used Python and Flask for backend and motor control. Used JavaScript, HTML, CSS to design the car's control page.

myTAMU.in (github.com/muinmomin/myTAMU.in)
- A website that allows users to search for any class and displays official grade distributions for all professors teaching said class.
- Used Python's Beautiful Soup to extract data from my school's official grade distribution sheet.
- Organized and sorted the data in Python.
- Using chart libraries, the front end displays the grade distributions in an easy to read format.

❯ Contact

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❯ Education

Texas A&M University
B.S. Computer Science 2019
Computer Science Honors Program
Minor in Business
GPA: 4.0/4.0

❯ Skills

Most Experience: Java, C++, Python
Worked In: JavaScript, HTML, CSS, Swift
Other: Git, Flask, JavaFX, Bootstrap, jQuery
Tools: IntelliJ Idea, Netbeans, Xcode, Eclipse, Vim

❯ Leadership

TAMUhack Hackathon Officer/Co-Organizer

Officer of TACS (ACM & IEEE/CS) Organization

Vice President & Diversity at Student Residence Hall

❯ Awards/Other

TAMUhack Hackathon 1st Place Audience Choice & 3rd Place Judges

Grace Hopper Scholarship from Microsoft

Honors Computer Science Departmental Scholarship

Aggie Artificial Intelligence Society

Officer of CS Honor Society (Klein Oak High School)

National AP Scholar Award