MD ARFAN UDDIN

https://arfanu.com

(707) 709-6489
arfan@email.arizona.edu
https://www.linkedin.com/in/rfn/

Education

THE UNIVERSITY OF ARIZONA
Bachelor of Science: Computer Science
Major GPA: 3.36/4.00

May 2020

Work Experiences

The University of Arizona, RII, *Web Application Developer II*
- Maintaining and improving **KMap**(https://kmap.arizona.edu) web interface.
- Migrating the **KMap** into NextJS for better SEO.
- Contributing to the data processing pipeline.

May 2022 – Present

Hamilton Innovations, *Full Stack Software Engineer.*
- Design and build several frontend pages **UI/UX** using **Flutter, React**
- Architect the workflow and design database tables in **PostgreSQL, MySQL**
- Created multiple API end points on **NodeJS** (**TypeScript**) and writing testcases in different framework like **JEST**

Jan 2020 – May 2022

Hexagon Mining, *Software Development Intern.*
- Rewriting the serializer for MinePlane Schedule Optimizer (MPSO) in **C#** and **Json.net** that preforms 2x faster and takes around 2x-3x less memory based on benchmark test.

May 2019 – Dec 2019

Department of Computer Science, UArizona, *Section Leader, Undergraduate TA*
- TAing *CSc 252* and leaded a section of 37 students for 2 hours a week for *CSc 210*
- Holds office hour to support students with the class materials and assignments.
- Evaluates programming assignments, quizzes, exams.

Jan 2019 – May 2020

Projects

Hereim v0.1.1**,** *(Personal)* https://hereim.xyz

Connect people in meetup along with real time profile sharing w/ saving feature. Developed for **iOS** and **Android** platforms using **Dart** and **Flutter** that was built on top of a **REST API** developed in **NodeJS** hosted on **Google App Engine** with **MongoDB** hosted on **MongoDB Atlas** and **AWS S3**.

Mobile app Clone *(Personal)* https://github.com/arfan-rfn/appClones

Cloned Twitter, Instagram, WhatsApp, Uber, FlappyBird and created News Reader, Note Taker application for **Android** by using **Java**, **Parse**, **Firebase**, **Hacker News API,** and **AWS**.

CSc 335: Object oriented programming & design, *(Group Project)*

Build a real time group chat application with **Java socket programming** and **JavaFX** that was selected as one of the best projects in that category which was developed in **Agile Methodology**.

Leadership

Department of Computer Science, UArizona, *Mentor*
- Administer a workshop on *Raspberry Pi* to inspire CS students on hardwires.
- Mentor freshmen and advise them to on how to succeed through academic/career life.

Jan 2018 – May 2019

Hack Arizona, *Organizer & Volunteer*
- Running workshops for ***Android Development,*** Creating apps with ***Dart & Flutter*** (2019)
- Assist in finding sponsors and workshops for the beginners (2018).

Jan 2017 – Jan 2019

Volunteer for Bangladesh (JAGOO), *Member*
- Gather funds for children education in Bangladesh.

Nov 2014

Awards

Dean's List with Distinction

2018

Programming Experience

NodeJS, Dart, Flutter, React, NextJS, JavaScript, MongoDB, NoSQL, Docker, Kubernetes, Microservice, Java, Python, PostgreSQL, MySQL, AWS, Google Cloud, Android, HTML, CSS, Unix, Bash, NumPy