Arsalan Bin Najeeb

773.999.4346 | abnajeeb@knox.edu | Galesburg, IL

EDUCATION

KNOX COLLEGE
B.S. Computer Science &
Business & Management
Cum Laude
GPA 3.6 | May 2020

TECHNICAL SKILLS

PROGRAMMING
Proficient | (3+ years)
Java • Python
Familiar
C • R • SQL • C#• React • React Native
Firebase • JavaScript • HTML5 • CSS

SOFTWARE
Eclipse • Git • PyCharm • VScode
EMACS • Slack • Unity • LaTeX

LANGUAGES
Urdu (native language)
Hindi (business proficiency)
Punjabi (business proficiency)

LINKS

LinkedIn: //arsalanwyne
GitHub: //anw10
Website: //anw10.github.io

AWARDS

1st place Student Research | Consortium of Computing Science Colleges MW 2018

Philip Haring & John Houston Award | Promoting International Understanding

Deans Honor List

Mortar Board Member

Sigma Xi Nominee

OISS Post-Bacc Fellow 2020

PUBLICATIONS

[1] T. Anwar, A. Jimenez, A. Bin Najeeb, B. Upadhyaya, and M. M. McGill. Exploring the enacted computing curriculum in k-12 schools in south asia: Bangladesh, nepal, pakistan, and sri lanka. *Association for Computing Machinery*, 2020.

EXPERIENCE

Software Engineer | Stream Engine
Nov 2020 - Present
- Integrating data from APIs, and applying machine learning and statistical techniques to generate reports for clients
- Refactoring & Automating existing API analysis pipeline for faster processing

Heterogeneous Research Assistant | ToUCH, NSF Grant
Jan 2019 - Jun 2020
- Implemented a facial recognition algorithm in **C** for the Raspberry Pi then parallelized code to run 50% faster on the quad core chipset by OpenMP
- Investigated task scheduling on heterogeneous processors
- Led 4-member research team & coordinated with Texas State University and Concordia University, presented work at Benedictine University

HPC Research Assistant | Knox College, NSF Grant
Jun 2018 - Aug 2018
- Decreased latency for Dragonfly a High Performance Computing system by balancing cluster connections by developing a task mapping algorithm
- Presented at 2 computer science consortium's at Washington University in St. Louis and Ball State University

PROJECTS

Team Lead | Scrub
Mar 2020 - Jun 2020
- Led team developing cross-platform app to teach proper hand washing by WHO & CDC to decrease chances of infection
- Debugged & tested code by 3 team members
- **React Native** with Expo development stack used. Followed agile development framework during development

Full Stack Developer | Zing!
Mar 2019 - Mar 2020
- Developed a cross-platform event finder app using **React Native**
- Decreased query response times by implementing a **Firebase(NoSQL)** back end to save and fetch, events using JSON objects, OAuth & Images
- Followed agile development structure during development

LEADERSHIP ACTIVITIES

International Ambassador | Knox College, OISS
Sept 2017 - Jun 2020
- Collaborated with a team of 6 international ambassadors & Office of international student services to overcome academic and social difficulties pertaining to a community of 250+ International students

President | UNICEF @ Knox
Mar 2019 - Mar 2020
- Selected for executive board and have been with the organization since its inception at Knox College in 2017, raised active member count by 75%

CS Ambassador | National Center for Women & IT
Jan 2019 - Jan 2020
- Adapted assignments to enable and engage a 40% international and minority CS student population
- Managed recruitment & retention of underrepresented groups in CS