Ibraheem Khan

(702) 712-0329 | pikhan@protonmail.com
Website: https://polymathykhan.github.io/

EDUCATION

B.S. University of Nevada, Reno - Reno, NV *Expected May 2021*
Pure Mathematics and Physics, minor in Computer Science

Relevant Coursework:
MATH 486-Game Theory, PHYS 421-Quantum Mechanics, Computer Science II, Math 310- Analysis I

TECHNICAL SKILLS

Programming Languages: C++ (with openCV), C, HTML & CSS, Java, and Python
Skills & Expertise: Linux, KICAD, Inventor, MySQL, Adobe CC, Rasp. Pi, Arduino, UpBoard, Microsoft Office, PowerShell, and all internet browsers

WORK EXPERIENCE

Pharmacy and ER Department, Valley Hospital
Teen Volunteer *January 2015 - February 2017*
- Helped Pharmacy and ER departments clean and set up beds for incoming patients and stock supply

Engineering Department, University of Nevada Las Vegas
Intern *January 2017 - June 2017*
- Worked on a weather balloon and UAV-heavy project to assess the climate via SODAR data

Joe Crowley Student Union, University of Nevada Reno
Student Worker *January 2018-ongoing*
- Manage phone reception, work with sponsors and visitors at the Joe, setup and clean ballrooms

EXTRACURRICULAR ENGAGEMENTS

Robotics and Electronics Club, University of Nevada, Reno
President *January 18 - now*
- Founded the club to fund student electronic projects and represent the University at Makers Faire
- Design, create, and code various electronics and programming projects

Safecracking, Rancho High School
Captain *August '16- May 17*
- Led the team to work on building the safe and its physical principles for the Shalheveth Fryer International Physics Tournament
- Designed and implemented most of the safe's circuitry.

AWARDS AND ACHIEVEMENTS

- Questbridge Finalist and Bruce Fishkins Semi-Finalist
- 1st Place Math Kangaroo Level 12 and Top 50% Putnam Math Competition

PROJECTS

- Plasma Arc (Vortex) Speaker
- Exoplanet Transit Photometry with Great Basin Observatory
- KICAD design of a Function Generator and various CAD models

PAPERS

- Infinite Sets [https://polymathykhan.github.io/Infset.pdf]
- Advanced Calculus (in Production) [https://polymathykhan.github.io/Advanced_Calculus.pdf]