

YOUSSEF ABDELKADER

+1(609) 255-0490 ◇ Princeton, NJ

ryali@princeton.edu ◇ [linkedin.com/in/YoussefAlii](https://www.linkedin.com/in/YoussefAlii)

EDUCATION

Princeton University, Electrical and Computer Engineering, B.S.E. Expected 2027

Relevant Coursework: Data Structures and Algorithms, Circuit and Logic Design, Linear Algebra, Raspberry Pi.

African Leadership Academy, Cambridge International Education.

Sep 2021 - Jun 2023

Relevant Coursework: Computer Science, Physics, Mathematics.

SKILLS

Technical	Python (Data Science). Java (Raspberry Pi). C/C++. Linux Proficiency. Data Analysis and Visualization. Algorithms Design. Software Development.
Leadership	Mentoring and Support. Project Management. Entrepreneurial Leadership.
Linguistic	English (Fluent), Arabic (Fluent), Italian (Intermediate).

EXPERIENCE

Software Engineering Intern

May 2024 - Present

Qatar Computing Research Institute

Education City, Qatar

- Revitalized and optimized legacy code, enhancing functionality and performance, and successfully deployed multiple task-specific servers for popular consumption.
- Engineered robust automation pipelines, streamlining the execution of diverse experiments for a pivotal research project, which improved productivity and efficiency by +60%.
- Mentored a team of research interns, providing guidance on best practices and advanced techniques in software development, leading to a 40% improvement in project output quality and team skill enhancement.

AV Production

Oct 2023 - May 2024

AV Services

Princeton, NJ

- Extensive experience in event setup and management, including handling audio-visual equipment such as computers, cameras, and microphones and ensuring smooth operation during events.
- Skilled in equipment diagnostics, troubleshooting technical issues, and performing simple repairs.
- Demonstrated expertise in overseeing 50+ events with audio and lighting setup, coupled with experience in live audio, video editing, and assisting in script and cue sheet distribution to ensure seamless event execution.

Data Analyst

Apr 2022 - May 2023

Information Technology Industry Development Agency

Remote (Cairo, Egypt)

- Developed and executed web scraping techniques using web APIs and custom crawlers, managed large datasets ensuring data quality, and implemented Python-based research studies for different purposes.
- Utilized data analysis tools, including Seaborn, Matplotlib, and Pandas, for comprehensive data visualization and real-world A/B testing.

RESEARCH

Mathematics Researcher

Feb 2022 - Jul 2022

Pioneer Academics

Remote (Davidson College)

- Worked with Prof. Tim Chartier from Davidson College on Ranking Systems and Recommendation Engines.
- Wrote a 20-page thesis with a code appendix of 24 pages. Grade: A.
- Used NN algorithm in the solution (unsupervised machine learning algorithm) to get high-accuracy results from a two-feature dataset (about 85% in every trial).