

Ben Abraham

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(USA)

EDUCATION

Kean University <i>Masters of Science in Computer Science (Cyber Security Concentration)</i>	Union, NJ May. 2026
Kean University <i>Bachelor of Science in Information Technology, (Minor: Cyber Security)</i>	Union, NJ May. 2025

EXPERIENCE

Quantum Researcher <i>Florida International University, National Science Foundation, Department of Defense</i>	May 2025 Miami, FL
• Designed and implemented quantum network simulations to evaluate the impact of imperfect Bell State Measurements (BSMs) and classical communication delays on end-to-end entanglement fidelity and throughput.	
Real Time Crime Center Data Analyst <i>New Jersey State Police</i>	Sep 2024 Trenton, NJ
• Monitored and analyzed real time criminal intelligence feeds, license plate recognition systems, and surveillance databases to support active investigations and field operations. Produced intelligence reports, data visualizations, and crime pattern analyses for law enforcement decision making. Supported information sharing across local, state, and federal partners to enhance situational awareness and response times.	
Socio-Economic Research Fellowship <i>Kean University, National Science Foundation</i>	Jan. 2024 Union, NJ
• Assisted in the development and implementation of machine learning models to predict contingent workers using logistic regression and other statistical techniques.	
End User Field Services Technician <i>NJ Transit</i>	Jan 2024 Maplewood, NJ
• Provided on-site technical support for end users across NJ Transit, including troubleshooting hardware, software, and network connectivity issues. Assisted in configuring, maintaining, and deploying workstations. Supported ticket resolution, system updates, and user training to ensure minimal downtime and optimal service delivery. Provided on-site technical support for end users across NJ Transit, including troubleshooting hardware, software, and network connectivity issues. Assisted in configuring, maintaining, and deploying workstations. Supported ticket resolution, system updates, and user training to ensure minimal downtime and optimal service delivery.	
CAHSI Cyber Security Research <i>University of Texas, Kean University, NSF</i>	Feb 2024 Union, NJ
• Conducted mentored research as part of the CAHSI REU program, and engaged in training to strengthen my computing, communication, and professional skills. Created a research plan, maintained a journal to report on research progress, and created a research poster to disseminate my research results.	
IoT Research Assistant <i>Florida International University, National Science Foundation, DOD</i>	May 2023 Miami, FL
• Contributed and assisted in the development of a deep learning-based radio fingerprinting system for IoT device authentication.	
Cisco Network Intern <i>Cisco inc.</i>	Aug 2022 NYC, NY
• Collaborated with Cisco and Round Rock engineers to deploy Wi-Fi 6 access points for the Global Citizens Festival in NYC. Gained practical experience in large-scale event network setup and wireless infrastructure optimization.	

PROJECTS

- Wesbites and Mobile Applications | HTML, CSS, ReactJS, TypeScript, SQL** June 2020 – Present
- **Cyber Security Websites / Web Apps:** Built metadataanalyzerv2.vercel.app, passwordgenanalyser.vercel.app, genhash.vercel.app, and many more. All cyber security focused websites / web apps free for the community and the world to use.
 - **Ecom Websites: SAMINUSA.COM & FOCALSTANDS.COM:** Fully functional profitable e-commerce websites built on Shopify backend with all Ecom features.
 - **BENABRAHAM.VERCEL.APP:** A personal portfolio website showcasing projects, skills, and experience.
 - **GAMES:** Created various web and mobile games such as BananaCPM, Flying Birdie, Tic Tac Toe, Rock Paper Scissors, etc. Gaming website in progress to tie all games I created under one website.
 - **Dynamicio.vercel.app:** Created and managed Dynamic.IO, a premium web development business with nearly 100 projects and clients.

VOLUNTEER

Hackathons & Capture the Flag Competitions (CTF's)

- * GMIS National Conference CTF (2024) - Placed in the top 25 percent
- * NJIT National CTF (2023, 2025) - Placed in the top 20 percent
- * Kean University Hackathon (2022) - 2nd place - Created RFID door lock using Arduino controller and various 3d designed and printed components
- * TRYHACKME.com (2021) - Top 2 percent

Police Explorer (2016 - 2022)

- * Promoted to Chief (04-2022)
- * Completion of all 4 phases of the Police Explorer Academy
- * Awarded Candidate of the Year (Phase 4)
- * Awarded Number 1 Overall P.T. Award (Phase 2), Awarded Marksmen Award (Phase 2)
- * Promoted to Sergeant (08-2021)