Ben Abraham

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(USA - Open to relocate)

EDUCATION

Kean University — Union, NJ
Masters of Science in Computer Science (Cyber Security Concentration) — *May. 2026*

Kean University — Union, NJ
Bachelor of Science in Information Technology, (Minor: Cyber Security) — *May. 2025*

EXPERIENCE

Graduate Research Assistant — Dec 2025
Kean University, College of Business and Public Management — *Union, NJ*

- Designed and executed data cleaning and analysis pipelines for Survey of Income and Program Participation (SIPP) datasets, including raw data acquisition and pre-processing across 1996–2008 panels with targeted analysis of the 2001 panel.

Quantum Researcher — May 2025
Florida International University, National Science Foundation, Department of Defense — *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 — Sep 2024
New Jersey State Police — *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 — Jan. 2024
Kean University, National Science Foundation — *Union, NJf*

- 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 — Jan 2024
NJ Transit — *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 — Feb 2024
University of Texas, Kean University, NSF — *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 — May 2023
Florida International University, National Science Foundation, DOD — *Miami, FL*

- Contributed and assisted in the development of a deep learning-based radio fingerprinting system for IoT device authentication.

Cisco Network Intern — Aug 2022
Cisco inc. — *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*

- **Cyber Security Websites / Web Apps:** Designed and deployed multiple free, community focused cybersecurity tools, including **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:** Built and launched fully functional, revenue generating e-commerce websites like saminusa.com, focalstands.com using a Shopify backend, implementing product management, secure payments, order fulfillment, and analytics.
- **Personal Portfolio Website:** A personal portfolio website showcasing projects, skills, and experience.
- **Web & Mobile 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.net:** Founded and managed dynamicio.net, delivering nearly 100 client projects, including mobile applications and websites, overseeing development, deployment, and client collaboration.

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 - by designing and building an RFID-based door lock using an Arduino controller with custom 3D-modeled and 3D-printed components
- ∗ TRYHACKME.com (2021) - Ranked in the top 2% globally on TryHackMe.com

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)