Charlie Knott

cwknott@cs.cmu.edu | 703.389.7386 | linkedin.com/in/charlieknott

RESUME SPOTLIGHT

Detail-oriented strategist focused on emerging technology and national security. Proven bridge-builder and bilingual thinker connecting technical research with operational goals spanning government and startups to drive data-informed decisions.

EDUCATION

Carnegie Mellon University | Pittsburgh, PA   **Expected Dec 2026**
Master of Information Technology Strategy
Concentration: Technology Strategy & Governance

Auburn University | Auburn, AL   **May 2025**
Bachelor of Science in Business Administration   **GPA:** 3.82/4.0
Major: Finance; Minor: Spanish

Technical Skills: Advanced in Microsoft Office Suite, Python | Proficient in AI/ML Frameworks, PyTorch, NumPy, Pandas.

EXPERIENCE

Carnegie Mellon Biometrics Center | Pittsburgh, PA   **Aug 2025 – Present**
Research Assistant
- Researching retail computer vision solutions to improve inference speed and accuracy on low-power edge devices with a collaborative team of PhD and master's students.
- Adapting facial recognition algorithms to product identification systems for retail inventory management, leveraging detection models previously validated in production security environments.

U.S. Department of State | Washington, D.C.   **Aug 2024 – Nov 2024**
Global Financial Analyst Intern – SECRET Security Clearance
- Built a predictive cost model for U.S. embassy evacuations using SQL to link family structure, relocation rates, per diem allowances, and travel distances, then applied it during the 2024 Lebanon evacuation to generate Congressional funding estimates for State Department staff relocation costs.
- Supported high-level international events — including the Global Ministerial to Defeat ISIS, bilateral sessions with Japan, and AI in foreign policy seminars — coordinating logistics and interacting with over 150 foreign ministers.

UltronAI | Pittsburgh, PA   **May 2024 – Aug 2024**
Strategic Development Intern
- Designed and delivered computer vision demonstrations built on transformer-based vision models to communicate technical value to venture investors, contributing to a multi-million-dollar seed funding round.
- Produced technical proposals and client-facing materials that framed research outputs for business application, helping secure a Fortune 100 enterprise contract and advance technology transition to market.

LEADERSHIP

Auburn Artificial Intelligence Initiative (AAII)
Board Chairman   **May 2025 – Present**
- Direct cross-departmental initiatives linking business, engineering, and computer science programs, shaping AI education strategy for our 200+ members and guiding organizational funding of several thousand dollars annually.

Founder & President   **Aug 2023 – May 2025**
- Established Auburn's first AI ecosystem bridging academia and industry, conducting workshops on generative AI, model optimization, and defense ethics to over 200 participants.
- Led planning and execution of Auburn's inaugural AI Summit (350+ attendees), coordinating keynote participation from Apple, AWS, and Synovus Bank to promote responsible AI innovation.

ACTIVITIES AND INVOLVEMENT

Alexander Hamilton Society | *Member* | Pittsburgh, PA   **Aug 2025 – Present**
Young Life | *Leader* | Pittsburgh, PA   **Aug 2025 – Present**
Oaks Retreat | *Head of Finance and Fundraising* | Auburn, AL   **Aug 2023 – July 2024**
Playa Tamarindo School of Foreign Language | *Student* | Tamarindo, Costa Rica   **May 2023 – June 2023**