

# CONNOR BOETIG

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## EDUCATION

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### University of Maryland

Expected May 2027

Technology and Information Design | GPA: 3.5

**Certifications:** AWS Cloud Practitioner | CompTIA Security+ (DoD 8570) | Network+ | A+

## SKILLS

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**Programming:** Python, Bash, PowerShell, FastAPI

**Systems:** Linux (Ubuntu, Debian), Windows, macOS, Virtualization

**Networking:** TCP/IP, DNS, DHCP, VLANs, Firewalls, VPNs, Active Directory, Group Policy

**Cloud:** AWS (Lambda, Step Functions, S3, DynamoDB, API Gateway, CloudFront, Cognito, SQS, Bedrock), Docker

**Security:** SentinelOne, Firewalls, VPN, Network Security, NIST Framework

**Tools:** MongoDB, PostgreSQL, Jira, Postman, Git

## EXPERIENCE

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### IT Administrator Intern

June 2025 – August 2025

Advanced Simulation Technology Inc. (ASTi)

*Herndon, Virginia*

- Developed Python-based network scanning tool covering 120+ devices across 8 VLANs, generating device inventory reports and 2D/3D topology visualizations for infrastructure monitoring.
- Built automated change-detection system producing Excel-based network diff reports, streamlining asset tracking and audit documentation.
- Designed automated email backup solution leveraging Google API to archive corporate Gmail data to AWS S3 for disaster recovery compliance.

### Freelance PC Builder & Technical Support

June 2024 – Present

Self-Employed

*College Park, Maryland*

- Spec'd and built 8–10 custom PC systems for friends and local clients across gaming, workstation, and home office use cases, managing component selection and assembly end-to-end.
- Provided Tier 1/2 hardware and software support, diagnosing issues across Windows and macOS environments.

## PROJECTS

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### TryMediaSearch | [trymediasearch.com](https://trymediasearch.com)

*In Progress – Started January 2026*

*React, TypeScript, Python, AWS (Lambda, Step Functions, S3, DynamoDB, Bedrock, API Gateway), Stripe*

- Built and launched a consumer SaaS product that makes personal media collections searchable by natural language – users describe what they're looking for and find the exact photo, video, clip, or document instantly.
- Designed and deployed full-stack architecture: React 19/TypeScript frontend with drag-and-drop uploads and real-time AI search, backed by a serverless AWS pipeline processing video, audio, images, and documents.
- Implemented end-to-end Stripe subscription billing with four pricing tiers, self-service customer portal, and webhook-driven quota enforcement – production revenue infrastructure, not a demo.
- Engineered security and reliability for real users: Cognito JWT auth, CloudFront CDN, SQS dead-letter queue recovery, and per-user data isolation across all API endpoints.