

# ETHAN CREEL

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## Education

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### Indiana University — Bloomington, IN

Fall 2025 – Present

*Finance Major, Bachelor of Sciences in Business – 4.0 GPA*

### Chattahoochee High School

Fall 2021 – Spring 2025

*Talented and Gifted Student - 4.0 GPA - 1580 SAT*

*Activities: Varsity Golf, Powerlifting, Track*

## Achievements

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### 99th Percentile in DECA State, Regional Winner, International Qualifier

December 2024

*Distributive Education Clubs of America, Business and Finance Club*

- Researched and studied marketing and advertising concepts to score top 10 in the state on testing
- Presented a concise and articulated solution with ten minutes of preparation, scoring a perfect 100/100 and placing 1st in the regional competition

### USACO Gold Division

March 2024

*USA Computing Olympiad*

- Gold division placement in the USA's primary national-level coding competition
- Used C++11 and Python3 to solve monthly programming problems

### 3rd Place Lockheed Martin CYBERQUEST® Competition

March 2024

*Lockheed Martin*

- Secured 3rd place for the southeastern region
- Participated in a 3-hour cloud-based Capture the Flag (CTF) competition
- Competed against over 650 competitors with the support of over 400 employee volunteers

## Experience

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### Self-Employed (freelance, paid, remote)

May 2023 – Present

- Generated \$50,000+ in revenue during a single semester through freelance contracts
- Developed paid ecommerce automation specializing in sneaker bots and other automation tools for online retail
- Offensive security (cybersecurity) - identified vulnerabilities in companies such as Cloudflare, College Board and multiple regulated financial services firms at Series B+ maturity with high-sensitivity data under PCI-DSS/SOC 2/GLBA
- Reverse-engineered countless mobile and web applications for paid clients
- Other work includes warehouse management software, iOS reverse engineering, sub-millisecond latency optimization, network infrastructure and more

### University of West Virginia (Research Assistant)

June 2024 – July 2025

- Guided under Dr. Reddy in the Smart Living Space Lab
- Researched gaps in cost-inefficient home assistance technologies
- Designed and schematized a intelligent walker with advanced sensors for elderly
- Collaborated with a production team of 4 to bring it to life

### VDart, Inc (intern, hybrid) | C++, Python, NextJS, AWS

January 2024 – May 2024

- Conducted market research and developed a customer profile for B2B and B2C sensor solutions
- Created a production-level IoT sensor solution for monitoring CO2 emissions
- Designed and printed an encasing for the physical sensor
- Negotiated with international suppliers to bring down unit cost
- Worked on bringing the product to market

### Proxied Networks, LLC (freelance, paid, remote) | Go, C, eBPF/XDP, PostgreSQL

July 2021 – Dec. 2021

- Developed a custom high-performance TCP/UDP reverse-proxy system
- Used XDP (eXpress Data Path) to filter packets at line rate and bypass the Linux kernel
- Implemented adaptable ratelimit option, DDoS protection, IP/CIDR firewall and realtime notifications
- Developed an API for managing reverse proxy configurations, tracking bandwidth usage, request rates, and network load

## Interests

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Poker, Wakeboarding, Wakesurfing, Running, Lifting, Golfing