TYLER MASTRANGELO

CYBERSECURITY / SOFTWARE ENGINEERING INTERN

Marco Island, FL │ mastrangelo.tyler@gmail.com │ www.tymastrangelo.com

SUMMARY

Computer Science student (GPA: 3.83) with minors in Cybersecurity and Psychology at Elon University. Experienced in AWS cloud security (IAM, S3, authentication), backend automation, and mobile development. Entrepreneur and builder with strong leadership, technical communication, and problem-solving skills. Seeking a Summer 2026 cybersecurity internship.

PROFESSIONAL EXPERIENCE

Founder & Operations Lead — Buffer Bros Mobile Detailing   Jan 2023 - Present
- Built and secured automated CRM + booking system using n8n, Notion, and Slack APIs with focus on authentication and customer data privacy.
- Designed scalable workflows for scheduling, payments, and customer follow-ups.
- Managed team operations, finances, and client relations while growing a profitable business.

Consultant — Elon University Maker Hub   Oct 2024 - Present
- Supported students and faculty with prototyping projects using 3D printing, Raspberry Pi, laser cutters, and IoT devices.
- Taught safe and secure use of hardware/software, troubleshooting across systems.
- Collaborated with staff to ensure reliable, policy-compliant technology use.

Content Creator / Brand Collaborator   Nov 2024 - Present
- Partnered with brands including Hulu, Boomboom Inhalers, and Blackbox AI.
- Currently full-time creator with Blackbox AI, producing educational content on AI adoption and workflows.
- Strengthened skills in technical communication and presenting complex tech in accessible formats.

PROJECTS

Iron Man Helmet (Hardware + Embedded Systems)   Spring 2024
- 3D-printed and assembled a wearable Iron Man helmet with 12 functional servo motors.
- Programmed an Arduino microcontroller to coordinate servo movement for automated faceplate opening/closing.
- Integrated LED light panels in eyes that activated when the faceplate closed.
- Combined mechanical design, electronics, and programming into a fully functional prototype.

Campus Events App (React Native)   Aug 2025 - Present
- Developing a mobile app for Elon University students to browse and RSVP to events.
- Building frontend in React Native; collaborating with university IT on secure backend hosting and authentication.
- Designed system for admin verification, data privacy, and scalable user access control.

AWS-Powered Notes App   Aug 2023 - May 2024
- Built authentication-based notes app using AWS S3 and IAM roles.
- Implemented secure user login and controlled access to stored files.

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SKILLS

Languages: Python, Java, JavaScript, HTML/CSS	Cloud & Tools: AWS (S3, IAM, EC2), Git, Supabase, Notion, n8n	Cyber: IAM, Authentication & Authorization, Security Policies, Data Privacy

EDUCATION

Bachelor of Arts in Computer Science   **Aug 2024 – May 2027**
Elon University │ Current GPA: 3.83
- Minors: Cybersecurity (in progress), Psychology

High School Diploma   **Aug 2020 – May 2024**
Community School of Naples
- 4x Honor Roll │ National Computer Science Honor Society

ADDITIONAL INFORMATION

- **Leadership:** Treasurer, Animal Protection Alliance │ Senator, Elon SGA │ NCAA D1 Cross Country/Track Athlete
- **Honors:** Presidential Scholarship and Elon Grant, Elon University
- **Soft Skills:** Team Leadership, Time Management, Resilience, Strategic Planning