Tyler Mastrangelo

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Education

Elon University   Elon, NC
Bachelor of Arts in Computer Science | Minors: Cybersecurity, Psychology   Expected May 2027
GPA: 3.8 | Dean's List | Presidential Scholar
Relevant coursework: Software Design, Computer Networks, Algorithm Analysis, Data Mining & Machine Learning

Experience

Founder & Lead Developer   Elon, NC
Quad (Campus Events Mobile App)   Aug 2025 – Present
· Built a full-stack mobile app for campus event discovery
· Developed a React Native client with an AWS-backed backend
· Implemented authentication, role-based access, and admin tooling
· Led student beta testing and shipped rapid usability improvements

Founder & Operations Lead   Marco Island, FL
Buffer Bros Mobile Detailing   Jun 2024 - Present
· Built a full-stack CRM dashboard using Next.js, TypeScript, and Supabase
· Designed PostgreSQL data models with auth, RLS, and RPC-based queries
· Integrated Google Sheets API and automated workflows, cutting admin work ~80%
· Deployed and maintained a production system supporting 100+ active clients

Consultant   Elon, NC
Maker Hub at Elon University   Oct 2024 - Present
· Supported students and staff with prototyping via 3D printers, laser cutters, etc.
· Led equipment orientations and troubleshooting to ensure safe, effective tool use
· Helped maintain lab operations, workflows, and technical reliability during open hours

Activities

Content Creation - Independent (TikTok & Instagram)   Nov 2024 - Present
· Built and grew a content brand through 250+ consecutive days of posting
· Generated 2M+ organic views across platforms
· Currently producing study motivation content under contract with Brainly
· Previously created content for brands including Hulu, Blackbox AI, and others.

Additional

Language Skills: English (Fluent); Latin (Reading & Writing)
Technical Skills: TypeScript, JavaScript, Python, SQL, PostgreSQL, React, React Native, Next.js, Supabase (Auth, RLS), AWS (Amplify, Lambda, S3, DynamoDB), REST APIs, Git
Volunteer Experience: Treasurer, Animal Protection Alliance — managed budgeting and operational planning
Athletics: Division I Student-Athlete (Cross Country & Track), Elon University
Interests: Guitar, piano, woodworking
Honors & Awards: Presidential Scholar (Top 15% of Incoming Class); Dean's List; Elon Innovation Grant ($2,500) to support Quad