Duncan P. Grimes

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EDUCATION

VANDERBILT UNIVERSITY, B.A. Nashville, TN
Majors in Applied Mathematics and Computer Science · Minor in Business *May 2025*
GPA: 3.92 / 4.00 **AWARDS:** Cum Laude · Dean's List all 8 semesters
COURSEWORK: Artificial Neural Networks & Deep Learning · Mathematical Data Science · Linear Optimization
Error-Correcting Codes & Cryptography · Ethics of Communication at First Contact with Aliens

TECHNICAL SKILLS & PROJECTS

TECHNICAL SKILLS: Java · Python · TypeScript · React · PyTorch · TensorFlow · Keras · MySQL
PostgresSQL · AlloyDB · Vertex AI · Argo CD · Spring Boot · Next.js · Tailwind
PROJECTS: Visual Fire Detection ML · Needlepoint Canvas Generator · "Rat-AI-toille" BERT seafood cookbook

PROFESSIONAL EXPERIENCE

CONNEXITY New York, NY
Backend Software Engineer, ShopYourLikes *August 2025 – Present*
○ Develop core REST APIs for ShopYourLikes, empower 10k influencers to monetize content with retail affiliate links
○ Built a gamified bonus incentive system, automating influencers' sales targets based on 3 months earnings history
○ Designed product recommendation engine for influencers coupling trend data (50+ retailers) to each creator's brand,
minimized application overhead by offloading embedding generation and composite scoring to AlloyDB database layer
○ Defined 25 influencer performance metrics, implemented weekly BigQuery to HubSpot sync for data-driven marketing

Machine Learning Intern *July 2024 – August 2024*
○ Fine-tuned BERT on Vertex AI to tag 50M fashion products/day by gender, achieved >93% accuracy against Gemini
○ Annotated training data at near zero cost using local Llama 3 and Gemini consensus, set labeling conflicts to unisex

Software Engineer Intern, ShopYourLikes *May 2023 – August 2023*
○ Scaled SYL and influencer profit potential by 10x/post by creating sharable "Collections" of retail affiliate links

ROSTR South Bend, IN
Co-Founder | Chief Technology Officer *March 2024 – August 2024*
○ Founding engineer of a startup built to connect employers and the 66% of college athletes graduating without jobs
○ Built and deployed fullstack recruitment software to onboard athletes, filter them, and send matches to employers
○ Honed project management skills supervising 4 interns—2 designers, 2 engineers—in *Race To Revenue* accelerator
○ Maintained 30% unit test coverage of 40,000 line codebase, used Auth.js for OAuth and role-based access

MASTRO'S OCEAN CLUB Malibu, CA
Server's Assistant *May 2022 – August 2022*
○ Created customer value bussing up to 30 tables with a smile at a fine dining steakhouse seating 450 diners per night
○ Managed open/close of restaurant; set/cleared tables; ran bread; made cappuccinos; filled beverages; polished glasses

LEADERSHIP AT VANDERBILT

MEN'S CLUB VOLLEYBALL
President | Treasurer | Captain of 2023 DIIAA National Championship Team *August 2021 – May 2025*
○ Captained Vanderbilt's first ever NCVF national championship team, sweeping the DIIAA division in 2023 and
selected for 1st Team All-Tournament honors (awarded based on votes from all 24 teams in the division)
○ Directed travel team in 7 tournaments annually, managed $8,000 budget, ran practice 2x per week, lead all drills

VANDERBILT FUSION PROJECT
Control Systems Engineer *September 2022 – December 2023*
○ Collaborated with multidisciplinary team of engineers to design digital controls for $30,000 nuclear fusion reactor
○ Engaged and negotiated with distributors, researched mass flow controllers, coordinated specs with safety team

CODE IGNITE
Volunteer Instructor *August 2022 – December 2024*
○ Taught weekly Introduction to Python course to 30 aspiring CS students from Rose Park middle school using Replit
○ Coached fundamentals of object-oriented programming while helping students develop their own individual games

INTERESTS & ACTIVITIES

Interests: Cycling to work · Portaging a canoe · Getting my AAA beach volleyball rating · Backbends · Piano
Activities: Manhattan Beach 6 Man · Riding motorcycles and quarter horses · Mountain biking · Skiing · Grilling