

# Duncan P. Grimes

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PORTFOLIO WEBSITE: <https://www.duncangrimes.com>

## EDUCATION

### VANDERBILT UNIVERSITY

*B.A. in Applied Mathematics and Computer Science | Minor in Business*

GPA: 3.95 / 4.00 | Dean's List (all 6 semesters)

Nashville, TN

*Expected May 2025*

## RELEVANT COURSEWORK & SKILLS

**COURSEWORK:** Artificial Neural Networks & Deep Learning · Mathematical Data Science · Linear Optimization · Algorithms · Error-Correcting Codes & Cryptography · Corporate Strategy · Digital Systems · AI

**TECHNICAL SKILLS:** Java · Python · PyTorch · Tensorflow · Keras · C++ · JavaScript · TypeScript · React · MySQL

## PROFESSIONAL EXPERIENCE

### ROSTR

*Co-Founder | Chief Technology Officer*

South Bend, IN

*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 user auth and role-based access

### CONNEXITY

*Machine Learning Intern*

Santa Monica, CA

*July 2024 - August 2024*

- Developed a ML model to classify 50 million fashion products each day by the gender of the intended consumer
- Post-trained BERT-based text classifier from HuggingFace, deployed to Google Vertex AI for batch predictions
- Tuned model to > 93% accuracy compared with Google Gemini, classifying 1M products in under an hour for 60¢

*Software Engineer Intern*

*May 2023 - August 2023*

- Built a 1-to-many link monetization model for ShopYourLikes.com (SYL), revenue source for 5,500+ influencers
- Scaled SYL and influencer profit potential by 10x/post by creating sharable “Collections” of product links
- Developed “Collections” backend REST APIs using Java and Spring Boot, created MySQL tables for data storage

### MASTRO'S OCEAN CLUB

*Server's Assistant*

Malibu, CA

*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 and close of restaurant; set/cleared tables; ran bread; made cappuccinos; filled beverages; polished

### BEACH CLUB

*Coach*

Santa Monica, CA

*June 2020 - August 2021*

- Developed leadership and communication coaching groups of 20 young campers in over a dozen different sports

## LEADERSHIP EXPERIENCE

### MEN'S CLUB VOLLEYBALL

*President | Treasurer | Captain of 2023 DIIAA National Championship Team*

*August 2021 - Present*

- Direct a competitive travel team in 7 tournaments annually, come up with drills and run practice twice per week
- 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)
- Manage \$8,000 budget for tournaments, travel, and equipment; communicate with team leaders from other schools

### 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 2023*

- Taught weekly *Introduction to Python* course to 30 aspiring CS students from Rose Park middle school
- Coached fundamentals of object-oriented programming while helping students develop their own individual games

## INTERESTS & ACTIVITIES

**Interests:** Mechanical keyboards · Manual cars · Old mountain bikes · Grilling · Singing · Shark Week · Country music

**Activities:** Vanderbilt Sports Business Club · Manhattan Beach 6 man · Intramural flag football & wiffleball