

Duncan P. Grimes

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

EDUCATION

VANDERBILT UNIVERSITY

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

GPA: 3.95 / 4.00 | Dean's List (all 5 semesters)

Nashville, TN

Expected May 2025

RELEVANT COURSEWORK & SKILLS

COURSEWORK: Program Design & Data Structures · Error-Correcting Codes & Cryptography · Discrete Structures Algorithms · Programming Languages · Digital Systems · Artificial Neural Networks & Deep Learning · AI

TECHNICAL SKILLS: Java · Python · NumPy · Keras · C++ · JavaScript · React · HTML · MATLAB · SQL · Excel

INDUSTRY EXPERIENCE USING: Git · Maven · Spring Boot · REST APIs · Argo CD · GCP · Cucumber BDD

PROFESSIONAL EXPERIENCE

CONNEXITY

Software Engineer Intern | Taboola

Santa Monica, CA

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” REST API using Java and Spring Boot, created two MySQL tables for data storage
 - Conducted data analytics on the health of the API's 12 endpoints, created Grafana dashboards to visualize data
- Deployed containerized applications using Docker, distributed across Google Kubernetes Engine cloud architecture
- Tested services for quality assurance, writing mocked unit tests with Mockito and BDD tests with Cucumber
- Designed a POC Node.js app for “StoreFronts,” a new SYL influencer homepage; presented demo to 50 engineers

MASTRO'S OCEAN CLUB

Server's Assistant | Landry's Inc.

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/clear tables; run bread baskets; make cappuccinos; fill beverages; polish

BEACH CAMP

Coach | The Beach Club

Santa Monica, CA

June 2020 – August 2021

- Refined leadership and multitasking abilities coaching groups of 20 young campers in over a dozen different sports

LEADERSHIP EXPERIENCE

VANDERBILT FUSION PROJECT

Control Systems Engineer

September 2022 – Present

- Collaborate with other undergraduate engineers to design the digital controls for a \$30,000 nuclear fusion reactor
- Engage and negotiate with distributors, research mass flow controllers, coordinate specifications with safety team

CODE IGNITE

Volunteer Instructor

August 2022 – Present

- Teach Introduction to Python, a weekly remote course, to 30 aspiring CS students from Rose Park middle school
- Instill fundamentals of object-oriented programming: data types, conditional logic, loops, functions, and classes
- Guide students through developing individual games using a series of small weekly projects in Replit online IDE

KAPPA SIGMA FRATERNITY

Scholarship Chair

January 2022 – Present

- Organize chapter applications for over \$20,000 in Vanderbilt scholarships awarded to 40 members each semester

MEN'S CLUB VOLLEYBALL

President | Treasurer | Captain of 2023 DIIAA National Championship Team

August 2021 – Present

- Expand management skills leading a competitive travel team in 7 tournaments annually, coach biweekly practice
- 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)
- Create practice plans; collect dues; organize tournaments and travel; communicate with leaders from other schools

INTERESTS & ACTIVITIES

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

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