
Julia Dajnowiec

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Education

Corona Del Mar High School

Grade 9-12

Academic GPA: 3.9 (W)

Newport Beach, CA

August 2021 - June 2025

Orange Coast College

Introduction to Engineering and Design

Grade 11

Costa Mesa, CA

June 2024 - August 2024

- Explores various branches of engineering as regards to academic preparation, opportunities and career options
- Introduced to applied engineering concepts, methods and tools of problem solving and the engineering design process
- 3 College Credits

Coastline ROP

Careers in Artificial Intelligence

Grade 11

Asynchronous, NMUSD

June 2024 - July 2024

- 6 week course; research opportunities, coding, oral presentations
- Gained knowledge in AI, Machine Learning, Big Data, Neural Networks, AGI, ANI
- Completed a 4 unit Python Coding course

Experience

Internship at Moffat & Nichol

Grade 11

Irvine, CA

June 2024

- 8 hours per day, 1 week
- Workday at the office including multiple field trips to the Huntington Beach Marshes, and the LA Port
- Dove deeper into the role of an Environmental/Civil Engineer
- Conducted several on hands activities and research opportunities (animal crossing, bridge build, water analysis, etc)

Edwards Lifesciences Shadowing

Grade 11-12

Irvine, CA

April 2024, December 2024 - April 2025

- Shadowed Biomedical Engineer and Bio Engineer in a Marketing Affairs role
- Learned about Edward's heart valve (function, history, process, etc)
- Went to meetings with multiple engineers
- Got to go into the labs and learn how to use certain machines, devices, etc
- Pre-planned shadowing for senior research project

Research Paper

Eczema

Grade 11-12

Newport Beach, CA

July 2024 - November 2024

- Working with the Global Commercial Lead of Takeda to conduct a research report on Atopic Dermatitis
- Condition that I suffer from and have been dealing with for 10+ years
- Discussing the severity of eczema, bringing awareness to the condition, while revealing my personal story

Leadership and Activities

StemPOWER She (Nonprofit)
Assistant Director of Curriculum
Grade 11-12

Orange County, California
January 2024 - Present

- Host 3-4 workshops annually (3 hours)
- Raised \$300 dollars per event
- Tutor stem-related topics weekly (1 hour)
- Educate 90+ - per year - (60 tutored & 30 at events) young learners about STEM & Engineering
- Completed and created 30+ research projects
- Weekly board meetings discussing upcoming events/topics (1 hour)

Women In Engineering Club

Member

Newport Beach, CA
September 2023 - Present

Grade 11-12

- Empowering women to join the STEM field
- Biweekly meetings discussing the engineering field & future pathways
- Learning about different roles of each engineer

Girls Who Code

Member

Newport Beach, CA
September 2024 - Present

- Weekly 40 minute meetings
- Brings together young women who enjoy coding together
- Creating projects on Scratch and CodeHS, following each day's topics

Students Rising (Nonprofit)

Member

Newport Beach, CA
January 2024 - Present

Grade 11-12

- Fundraised \$300 proceeds for higher, more accessible, education in Africa
- Weekly meetings discussing the issues revolving around lower education, and what our next actions are

Corona Del Mar High School Volleyball Team

Grade 9-11

Newport Beach, CA
August 2021 - October 2023

- Freshman & Sophomore/JV (1 year)
- Varsity (2 years)
- Outside Hitter/Right Side
- 2 games per week (2 hours)
- 3-4 practices per week (2 hours)
- Summer camp: 3 hours per day, 1 week
- Quit due to spinal injury

Club Volleyball (OCVC & LBVBC)

13U-16U

Ladera Ranch & Rancho Santa Margarita, CA
January 2020 - June 2023

Grade 7-10

- Laguna Beach Volleyball Club: 13U, 14U, 15U (each highest level team in age group)
- Orange Coast Volleyball Club: 16U-1's
- Competed in multiple tournaments, AAU's in Orlando, GJNC Las Vegas, including some local

Corona Del Mar High School Track & Field

100m, 4x100m relay, 200m

Newport Beach, CA
September 2021 - June 2022

Grade 9

- 100m sprint, 200m, 4x100m relay
 - Invited to Invitational Meet at Los Alamitos
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Volunteer Service

Someone Cares Soup Kitchen

Student Volunteer

Costa Mesa, CA
December 2023 - Present

Grade 11-12

- Total of 30 hours
- Volunteered in Kitchen by making fruit salad, flipping pancakes, and washing dishes
- Contributed to the service line to hand out trays
- Worked in the shop to provide groceries to those in need
- Helped 100+ low income/homeless families

One Ford Road Homeowners Association

Volunteer

Newport Beach, CA
October 2023 - December 2023

Grade 11-12

- Total of 12 hours
- Setting up the community gatherings and helped coordinate celebrations
- Consisted of Halloween and Holiday celebrations which took place in the main park of the neighborhood

Corona Del Mar Middle School Volleyball

Assistant Coach

Newport Beach, CA
December 2023 - February 2023

Grade 11

- Total of 50 hours
- Coached a team of 15, 8th grade girls
- Consisted of 2-3 morning practices and 2 games each week
- Occasional tournaments during the season

13U Boys Orange Coast Volleyball Club

Assistant Coach

Ladera Ranch, CA
December 2022 - April 2022

Grade 10

- 6 hours per week
- Coached for 2 hours before my practices
- Included myself in drills so they would have the opportunity to play against someone that plays at a higher level of performance
- Competed in local and national tournaments (AAU's)

Blaze It Forward - Community Service Club

Member

Newport Beach, CA
September 2023 - Present

Grade 11-12

- Community service club that helps out homeless shelters and participates in canned food drives and beach cleanups
- 1 hour per week, 20 weeks per year

High School Math Tutor

Grade 11-12

Newport Beach, CA
January 2024 - Present

- Tutor math levels such as; Geometry, Pre-calc, Algebra
- 1 hour sessions

Environmental Nature's Center

Leader In Training (LIT)

Costa Mesa, CA
December 2023 - Present

Grade 11

- 1 week, 25 hours of volunteering
- Led a group of 11, 5-year-olds through multiple nature activities
- Helped them plant vegetables, compost, inspect plants, etc

Best Buddies (International Organization)

Member

Grade 12

- Creates friendship opportunities for individuals with intellectual and developmental disabilities
- 1-2 weekly meetings involving multiple activities in school gym

Newport Beach, CA
September 2024 - Present**CDM Interact**

Member

Grade 12

- World's largest high school service club
- Extension of the Global Rotary organization
- Monthly beach clean-ups, trash-pick ups at Back Bay, etc

Newport Beach, CA
September 2023 - Present

Awards**California Scholarship Federation**

Grade 11-12

- Member of CDM, 2023-present
- Earned by maintaining 10 CSF points per semester
- A=3, B=2, C=1, AP & Honors add an extra point

Newport Beach, CA
August 2023 - June 2025**Girls Junior Nationals Convention**

13U Girls Volleyball

Grade 9

- Earned a bid to nationals at a qualifier tournament for SCVA, placing 5th
- 5th in American Division

Las Vegas, Nevada
June 2021**Corona Del Mar High School Volleyball League Champions**

Varsity Team

Grade 11

- Undefeated in the Wave League the entire season
- Won BOTB (Battle of the Bay) twice after over 10 years (against Newport Harbor)

Las Vegas, Nevada
August 2023 - October 2023**Queen's Court High School Volleyball Champions**

Varsity Team

Grade 11

- Opening tournament of the year
- First out of 46 varsity teams
- First time winning since 2009

Irvine, CA
August 2023**Best Designed Bridge Award**

Moffat & Nichol Internship

Grade 11

- Bridges voted by 20+ structural engineers
- Created with various materials of wood
- Goal: create the lightest, most appealing design, that can withstand the most weight

Irvine, CA
June, 2024**Tower Building Award**

OCC Introduction to Engineering and Design

Grade 11

- Goal: create the tallest tower that can withstand the most weight
- Created with only straws and tape
- First place out of 12 groups

Costa Mesa, CA
August 2024