

# CAOILIN KRATHAUS

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WEBSITE: [caoil.in](http://caoil.in)

## EDUCATION

University of Washington, College of Engineering

**Major:** Engineering Undecided, **Minor:** in Digital and Experiential Arts, **Sport:** D1 Rowing

Sept 2024 - Present

- Expected Grad Date: June 2028

Carnegie Vanguard High School (Houston, TX)

- Weighted GPA: 4.65

## WORK EXPERIENCE + CAMP WORK

**Core Design Studio | Fabricator + Designer** Houston, TX 35 hrs/wk, 5 wks Jun 2021 - Present

- Fabricate and design museum exhibits for Museums across Houston and the country
- Skills: Welding, Woodworking, Graphic Design (Adobe Software), CNC Machinist, Laser cutting, Vinyl cutting, working with a large variety of material
- Install signs, vinyl, and wayfinding at Houston Zoo, Annunciation Orthodox School, Brenham Heritage Museum, and Downtown Houston
- Outside of this, I've done occasional work for a few hours on the weekends to mainly operate CNC or assist in fabricating museum exhibits (middle school and high school)

**British Consulate @ SXSW | Internship** Austin, TX Mar 2023 & Mar 2024

- Assisted event organizer with tasks throughout the event: Bouncer and setting up event stage and venue
- Networked with British and American CEOs and founders of tech companies that are creating cutting-edge immersive and UX-based technology (made lots of friends!)
- Also went to this event in 2022 as a guest to network and learn about the new innovations in the Creative Tech Industry
- Planning on continuing this internship every year

**Inspirit AI Scholars Camp | Member** Virtual July 2021

- Worked as a team to use data collected from NASA's Kepler space telescope to train AI models to detect exoplanets
- Mentored by people in the industry and Stanford, MIT, and Ivy League Students

## LEADERSHIP

**Bag-Free Bayous | Co-Founder, President**

- Started a petition to ban or place a fee on single-use plastic bags in the City of Houston (4th grade)
- After garnering 4,000 signatures overnight, spoke to numerous news outlets
- Lobbied, testified, held press conferences at Texas Capitol with Texas Campaign for the Environment since 5th Grade
- Founded and continue to run the business which employs an Afghan refugee to sew bags out of upcycled and used materials (such as banners)
- Banner donors include Minute Maid Park (home of the Astros), the Houston Zoo, and numerous Houston events hosted by Houston City Hall
- **Operating the business:** Sourcing and cleaning banners, prototyping bags, collecting and delivering materials, coordinating with seamstress, distributing finished products (mailing + packing), created a website that displays + sells bags, photograph (+ editing photos) bags, catalog (name, number, description), manage customer service inquiries, create online advertisements, attend events as a vendor booth to sell bags to the public and share our story
- Make presentations to Girl/Boy Scouts troops and schools across Houston to present our story and inspire other kids to understand they have the power to make a difference, no matter their age (my 5th - 8th grade)
- Appearances on various local news outlets



### **Carnegie Community Voices for Public Education | Co-Founder and Co-Leader**

- Organized 2 school-wide walkouts on the Texas Education Agency takeover of HISD
- Organized presentations on education issues in the state of Texas
- Attended and spoke at press conferences with politicians and city leaders in connection with the TEA takeover of HISD

### **VEX Robotics**

- Member of the robotics team for my school
- Competed in Robotics 2023 Worlds Competition
- Mentor for younger members
- Main machinist on the team, teaching operations of: CNCs, drills, grinders, metal chop saws, drill presses

### **ACTIVITIES**

#### **Houston Art Car Artist**

- 1st place Art Bike (2023)
- Four-wheeled bike + research project that informs and engages Houston communities on plastic waste and the solutions to plastic waste (bioplastics).
- 1st place Art Bike (2022) - 2 bikes entered as a pair
- One four-wheeled and one three-wheeled “scorpion” bike
- Weld bike contraptions to display at the annual Houston Art Car Parade that runs through Downtown Houston and Houston Art Bike Parade
- Met many Houston Artists and was featured on local news and articles

#### **Rowing Club of the Woodlands | Rower 6 hr/wk**

- Attend rowing practice at Lake Woodlands (1 hour away) for 6 days a week
- Joined the summer camp summer before senior year and recruited for RCTW that fall
- Won 1st place novice quad and 3rd place in the varsity 8 boat at Pumpkinhead Regatta (October)
- Won 1st place in novice double at Heart of Texas Regatta (February)
- Won 1st place 2V quad at Regionals in OKC (May)
- Won 1st place novice double at Regionals in OKC (May)
- Won 5th 2V Quad in the country at USRowing Youth Nationals 2024 (June)
- Recruited to row for University of Washington

#### **D1 Rowing at the University of Washington 20+ hr/wk**

### **HONORS**

Houston City Council Environmental Leadership Award	2016
1st Place Art Bike at Houston Art Car Parade 2022	2022
1st Place Art Bike at Houston Art Car Parade 2023	2023
Terry Hershey Bayou Stewardship Award	2020
3 Gold Keys: Scholastic	2021
\$1k Grant for Bag-Free Bayous: Eliminate Restaurant Takeout Waste Project	2019
\$5k Grant for Bag-Free Bayous: Reusable Bags Project	2017
The Digital Citizenship Student Award	2016
AP Scholar of Distinction	2023

**SKILLS:** Time management, public speaking, adaptability, fast hands on fabrication, quick tool learner, broad understanding of materials, creative thinking for building things, MS Word, community outreach

**INTERESTS:** Making interactive, immersive art experiences (public/private), upcycling old junk (cars, bikes, antiques), poetry, biking, kayaking, filmmaking, museums, attending protests, building forts in nature, learning about the universe, science and history.