

Grant Hough | Saratoga, CA | ☎ (408) 314-1554 |

✉ grant.l.hough@gmail.com | 🌐 granthough.me | 🔄 [GrantHough](https://www.youtube.com/GrantHough) | 📺 [grant-hough](https://www.instagram.com/grant-hough)

Education

Saratoga High School, *Student*, Saratoga, CA

August 2020 - Present

- GPA: **4.00** Unweighted (10-12 : **4.70**)
- SAT: **1550** (780 Math, 770 R&W)
- AP Credits: **Computer Science A (5)**, Chemistry (5), US History (4), English Language and Composition, Spanish, US Government, Physics 1, Physics 2, Calculus AB
 - AP Scholar, Scholar of Distinction (7x)
- Marching Band (**Percussion Captain**), Winter Percussion (**Captain**), Wind Ensemble, Symphony Orchestra, **AI Advisor**, Gaming Club (Officer, recruited 100+ members & led partnerships), Chess Club, Spanish Club

Experience

Zero to AI, *Founder*, Saratoga, CA

March 2023 - Present

- Developed and executed a **6-week in-person summer course** to enable high-schoolers with no coding experience to build their own custom AI-enabled web app ([also available online for free](#))
 - Gained **60+ signups**, featured industry guest speakers, & a perfect **Net Promoter Score of 100**.
 - Developed & lectured a **10+ hour curriculum** featuring custom examples, exercises, and assignments
 - Hired & led **staff of 4**, secured a library computer lab, & advertised in local press

Torus Platforms, LLC, *CTO & Lead Developer*, remote

August 2023 - Present

- Interviewed prospective developers & hired/manage a **technical team of 6**
- Own development of the product [website](#), mobile app, rec. algorithms, backend servers, pipelines, and databases
- Currently testing a prototype before distributing beta to selected college communities by the close of Q4 2023

AppJack, *Founder*, Saratoga, CA

February 2022 - Present

- Built, published, & promoted **10+ different software apps** covering topics such as biking trail discovery (4 million users), restaurant promotion, skin conditions, neural network hyperparameters, underutilized consumer assets, etc.
- The following 2 listed items are major [AppJack](#) clients

Trailforks, *Frontend Development Contractor*, remote

July 2023 - Present

- Led research and software development for search function overhaul of a **4+ million-user web platform**
- Assessed existing solutions, surveyed a variety of users, and reviewed iterations with the team's product manager
- Built out a prototype, seeking approval for A/B testing phase

Hard Knox Cafe, *Web Development Contractor*, remote

August 2023 - Present

- Working closely with the owner to maintain and redesign the [website](#) to increase orders and optimize SEO

Aletheia, *Co-founder*, remote

July 2023 - Present

- Developed/published digital media fact-checking browser extension (frontend, servers, custom LSTM network)
- Led promotional and developmental partnership with the fact-checking organization [Snopes](#), including custom API
- Featured in [The Mercury News](#), etc.

Academic/Percussion Instructor, Saratoga, CA

August 2022 - January 2023

- Provided personalized academic tutoring, percussion instruction, and computer science mentoring.
- Delivered tailored STEM exercises & percussion assignments, assisted students in preparing for pro-band auditions
- Guided an individual with no prior coding experience to winning his inaugural hackathon with a browser extension

Activities

Blue Devils B, *Snare Drummer*, Concord, CA

February 2022 - August 2022

- Highly competitive drum corps that competes in [DCI's](#) (Drum Corps International) Open Class
- Selected from a nationwide audition as the **youngest member** of percussion at 15 y/o, the average age of the section was ~18-19, required an extremely high level of rhythm, approach, and marching
- Rehearsed **daily for 12+ hours** for entire summer and **toured across the United States** (Southern CA - Indiana)
- Worked with world-class staff towards an eventual **3rd place at DCI's Open Class Championships**
- Achieved a semi-finalist finish at DCI's World Championships with a **live attendance of 60,000+**

SpeakEasy, Creator, Saratoga, CA February 2022 - August 2022

- Created & published controversial content detection and rephrasing engine for web browsers & Discord
- Across the [browser extension](#) and [Discord bot](#), SpeakEasy has helped **6,000+ users** with **500k+ sentences**.
- Built and promoted an [animated product website](#)

Saratoga High School, AI Advisor, Saratoga, CA May 2023 - Present

- Presented multiple times to my high school's and districts's administrative teams, department chairs, and other staff about generative AI, AI-writing detection, implications for each school department, and potential solutions
- Helped plan World Cafe AI event and gave a **20-minute talk** to **~150 people** to kick it off

California (CBDA) All-State Concert Band, Percussionist, Fresno, CA February 2023

- Selected alongside 32 percussionists from **thousands** of high schoolers
- Required high-level understanding of battery, keyboard, and auxiliary percussion instruments
- Worked with world-class instructors to perform **collegiate-level** pieces for 2,000+

Saratoga High School Music, Saratoga, CA June 2020 - Present

- **Marching Band, Percussion Captain** (formerly Section Leader)
 - **Individually tutored** younger members and held separate rehearsals outside of scheduled practice
 - Worked with staff to maintain a high group trajectory and **ran battery rehearsal** in their absence
 - Handled logistics and made on-the-fly decisions at competitions to ensure smooth operations
- **Winter Percussion, Section Leader**
 - Managed logistical items and led practices outside of group rehearsals to ensure competitive success
- **Wind Ensemble, Percussionist**
 - Performed multiple **collegiate-level solos** on instruments such as the marimba, snare drum, and conga drums
 - Contributed a **solo performance** to a piece that led to the group's invitation to perform at **CBDA All-State clinic** and the highest rating of "Superior" at the annual CMEA festival
- **Symphony Orchestra, Percussionist**
 - Played a variety of instruments in collegiate-level pieces to achieve the highest rating of "Superior" at CMEA

Honors & Awards

Congressional App Challenge, First Place December 2023

- Received [first place](#) in the competitive CA-16 (Silicon Valley) district for my project, [Aletheia](#), a digital media fact-checking browser extension

Congressional App Challenge, Second Place December 2022

- Received [second place](#) in the competitive CA-16 (Silicon Valley) district for my project, [SpeakEasy](#), a browser extension that uses AI to assess user text for controversial potential and offer rephrased alternatives that can be instantly adopted. Across the [published browser extension](#) and [Discord bot](#) in alpha-testing, SpeakEasy has helped **6,000+ users** with **500k+ sentences**

Breakthrough Junior Challenge, Semi-Finalist September 2022

- My [video](#), covering neural networks, placed **top 30 out of 2,400+** submitted videos from over **200 countries**

HackBytes, Best Social Cause Hack June 2022

- Received at HackBytes 2022 for [Corally](#), which aims to connect divers with coral preservationists to gain intel

SchoolHacks, First Place & Zūm Sponsor Prize June 2022

- Received both at SchoolHacks 2022 for my project, [OK2Say](#), which evaluates writing for potential controversy

RUHacks, Best Youth Hack May 2022

- Received at RUHacks 2022 for my project, [Find My Pet](#), which uses AI to unite pets with their owners

The Hackonomist (Major League Hacking), Best On-Theme Hack April 2022

- Received at The Hackonomist 2022 for my project, [Forecast](#), which uses AI to predict stock trends

Skills & Interests

Language: English (fluent proficiency), Spanish (working proficiency)

Computer Skills: HTML, CSS, JavaScript, JQuery, Python, Flask, Numpy, PyTorch, pandas, TensorFlow/Keras, Git, Swift, SwiftUI, Node.js, Express.js, SQL, SEO, browser extensions, Microsoft Azure, Google Cloud, Heroku, Adobe Photoshop, Adobe Premiere Pro, Adobe After Effects

Interests: Mountain Biking, Skiing, Custom Keyboards, Plants, Chess, Gaming