

# KYLE HUANG

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## EDUCATION

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**Mechanical Engineering Major, Finance Minor | Princeton, NJ, US** Sep 2025 – May 2029

*Bachelor of Science in Mechanical Engineering*

**Harvey Mudd College | Claremont, CA, US** Aug 2023 – May 2025

*High School Dual Enrollment*

## PROFESSIONAL EXPERIENCE

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**Operations Engineering Intern | North Ridgeville, OH, US** Jun 2026 – Present

*Riddell*

- Spearheaded efforts in AI integration through dashboard creation and data analysis to enhance efficiency and reduce waste, with savings of cost-valued time.
- Conducted review of methodology sheets and floor operations to maintain updated SOPs and inspire additional inefficiency solutions.

**Equipment Team Intern | Princeton, NJ, US** Oct 2025 – Present

*Princeton Athletics*

- Managed and executed daily equipment logistics for all 32 Princeton Varsity athletics, coordinating gear preparation and distribution before team activities
- Accelerated uniform laundering and organization workflows, improving efficiency rates and punctuality through inventory management and communicative coordination

**Aerodynamics Team Member | Princeton, NJ, US** Sep 2025 – Present

*Princeton Racing Electric*

- Synthesize publicly available air foil data models with the intention to construct Formula Student vehicle rear wing module
- Effectively deliberated and strategized rear wing module visualization through analyzation and compliance of competition regulations
- Formulate the tangible construction of the model through the utilization of Siemens NX and personal Autodesk Fusion 360 tinkering

**Data Research Analyst | Princeton, NJ, US** Sep 2025 – Present

*Princeton SABR Tooth Tigers*

- Forecast tendency probabilities through the analyzation of Trackman data derived from Princeton Baseball team activities
- Develop visualizations through the incorporation of LLM with the intention to enhance party comprehensions
- Innovate relative to new data collection facets, from enhancing input technologies to deliberation technologies, with conduction of experimentation and associative testing

**Checkout Advocate | Upland, CA, US** Jun 2024 – Apr 2025

*Target*

- Facilitated the logistical execution of the checkout lanes, providing a unique experience to each individual customer through fostering connections
- Promoted dedication to the minimization of customer inconvenience, devoting personally-allotted time to ensuring the streamlining of the consumer process

## RESEARCH EXPERIENCE

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**Lead Academic Researcher | Milford, CT, US** Aug 2023 – May 2024

*VKTRY Gear, Co.*

- Designed low-cost compressive testing machine through sandwich mechanism construction to test compressive strength of a given material
- Tested EVA foam, neoprene foam's durability and compressive capabilities within covered VKTRY Gear configurations and tabulate data sets into interpretable visualizations
- Deliberate the impacts of reducing per-unit cost from the intention of expanding accessibility to low-income athletes through lower price-points

**Student Researcher | Claremont, CA, US** Aug 2024 – May 2025

*Harvey Mudd College – Computer Science Department*

- Developed testing methods to determine LLM capabilities in effectively deliberating upper-level education coding projects with intentions of integration into the Introduction to Computer Science course (CSI005)
- Compiled and catalogued data sets from experimentation methods to later effectively deliberate the successes of LLM implementation, and thus, approve or deny real-world integration

## SKILLS

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- **Languages:** English (fluent/native), Chinese Mandarin (fluent speak, advanced reading), German (conversation)
- Autodesk Fusion 360, Siemens NX, Solidworks, MATLAB, Java, Fusion, Excel, Word, PowerPoint, iMovie, Canva, Google Sheets, Google Docs, Colab, Overleaf