Brian Hou

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EDUCATION

Arizona State University (ASU)   August 2022 - May 2026 (Expected)
Cumulative GPA: 4.0
Robotics Engineering, BSE

ACTIVITIES

ASU VEX Robotics Varsity   August 2022 - Present
Mechanical Lead / Design Lead
Project Lead
Software
- Mechanical Lead of the Rossum Rumblers and PYRO robotics team
- Responsible for mechanical design and robot construction
- Application of Solidworks to CAD/Design robots
- Troubleshooting problems with the robot
- Application of C++ to debug for teammates

Vex Discord Server for Newcomers   Nov 2020 - Present
Server Owner
Administrator
- Owner of the Vex Robotics Discord Server for the whole school
- Pass down things learned from college
- Answer questions asked on the server
- Give valuable insights to newcomers

VEX Robotics Varsity in KCIS (high school)   2019 - 2022
Team Founder
Mechanical Lead / Design Lead
Project Lead
Mentor
Software
- Founded the school robotics team
- Led mentoring sessions for newcomers
- Designed and constructed several winning VEX robots
- Led the varsity team to win awards in various national and international competitions
- Successfully promoted VEX to one of the most popular clubs in the school

HONORS AND AWARDS

Various Awards in VEX Tournaments   2019 - 2022
- 2-time national champions
- Tournament Champion / World Championship Qualifier
- Sportsmanship Award / Judges Award / Amaze Award

SKILLS

- Proficient in mechanical design and construction
- 3D design software (SolidWorks)
- Programming languages (C/C++, Python)
- Leadership
- Mentoring

LANGUAGE

Native speaker of English and Mandarin