

Matthew Braner

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EDUCATION

Purdue University, West Lafayette, IN
Bachelor of Science (BS) in Mechanical Engineering (Expected Graduation 2022)
Cumulative GPA 3.70/4.0

CURRENT COURSEWORK

Partial Differential Equations, Dynamics, Thermodynamics, Linear Circuit Analysis, Personal Finance

SKILLS

CAD Experience with CATIA V5, Solidworks, Autodesk Inventor, Soldering, MATLAB, Java, Python

EXPERIENCE/INVOLVEMENT

SmalTec International – **Summer Intern** May 2019 to Aug 2019

Niche manufacturer of specialized electrical discharging machinery (EDM)

- Assembled complex circuit panels and developed soldering and wire management skills
- Revised and designed parts and drawings in Autodesk Inventor according to specifications from management
- Operated EDM equipment by machining and measuring parts to fulfill customer requirements

Purdue Baja SAE Racing – **Team Member** Feb 2019 to Present

Collegiate organization made up of students who design, build, test and race a single seat off road vehicle each year against other universities

- Collaborate with a team of students to design, build, and test an off-road vehicle
- Operate machine shop equipment such as horizontal/vertical mills and lathes
- Develop higher proficiency in Solidworks part and assembly design skills

Swiftly Foundation – **Junior Board Member** May 2016 to Present

Swiftly promotes tissue donation, funds pediatric cancer research, and raises awareness through social media campaigns and events

- Actively involved in meetings and discussions about fund allocation and strategy
- Participate in awareness campaigns to help communicate Swiftly's mission to donors

Purdue Club Golf Team – **Team Member** Sep 2018 to Present

Cress Creek Country Club, Naperville, IL – **Honor Caddie** Jun 2015 to Present

Illinois Hockey Officials Association – **Level III Official** Aug 2016 to Aug 2019

Civil Air Patrol – **Cadet Commander** Sep 2012 to Jul 2018