

Ahmed Amin

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Education

Temple University, College of Engineering
Bachelor of Science in Mechanical Engineering

Philadelphia, Pennsylvania
Graduation Expected: May 2020

Relevant Experience

Temple University
Undergraduate Research

Philadelphia, Pennsylvania
May 2017 - July 2017

- Research and prototyping in Soft Robotics
- Utilized Solidworks, 3D printing, Nitinol wire, Ecoflex soft material and molding

DragonHacks Hackathon
Most Innovative Idea Award

Philadelphia, Pennsylvania
April 2017

- Worked with a team to complete a project in 24 hours
- Attempted to design a cheap 3D printer

Robolancers (Central High School robotics team)
Scouting Lead, Mechanical Team member

Philadelphia, Pennsylvania
2015-2016

- Led a team of ~6 people as Scouting Lead (2016).
- Researched other teams and created a system for data collection and analysis.
- Designed and built mechanical components of a robot for First Robotics Competition as a mechanical team member (2016).
- Competed with team at St. Louis, Missouri for World Championship (2015,2016).
- Drove and performed maintenance on a robot while volunteering for Philly Robotics Expo (2016).

Additional Information

- Skills: Solidworks, Inventor, AutoCad, Python, C#, wet layup of composites (carbon fiber)

Projects

Personal Projects can be seen on ZeroVocabulary.github.io

Robot Arm

February 2019 - Present

- Developed simple forward and inverse kinematics algorithms in Matlab