

Stephane Morel

Github : <https://www.github.com/SoAsEr>

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EDUCATION	Princeton University , NJ Expected Graduation : May 2025 Princeton High School , NJ GPA : 3.99/4
TECHNICAL SKILLS	Languages : C++, Python, Java, Arduino C, MATLAB Tools/Framework : Solidworks, Bootstrap, ROS, Firebase, JQuery, Angular, Eigen Familiar : C, JavaScript, TypeScript, HTML, CSS, Assembly, Webassembly, Verilog
TECHNICAL PROJECTS	<div><div>FreeQL</div><div>April 2020 - Present</div></div> <p>An aqueous chemical equilibrium solver, written in C++. An update and expansion of old FORTRAN based solvers. Currently under a rewrite to prepare for further expansion. Professors at British Columbia and Oregon State have expressed interest in using it to teach students.</p> <ul style="list-style-type: none">• Technology/Tools : C++, React, Eigen, Abseil, Webassembly• Link : https://soaser.github.io/FreeQL/ <div><div>Clipboard</div><div>June 2019 - Present</div></div> <p>An Angular based web app which was built as a custom registration system for hackPHS. It helped gather more information about the users and their path through the registration process.</p> <ul style="list-style-type: none">• Technology/Tools : Angular, Firebase, JQuery• Link : https://github.com/hackPrincetonHS/clipboard <div><div>Overkill</div><div>September 2019 - Present</div></div> <p>A robot which competed in the Trinity International Robot Contest as part of the Computer Robotics Club.</p> <ul style="list-style-type: none">• Technology/Tools : Solidworks, MATLAB, ROS, Raspberry Pi, Arduino
LEADERSHIP	<ul style="list-style-type: none">• Executive Director of hackPHS: Lead hackPHS, formerly the 2nd largest high school hackathon on the east coast. <i>2019-2020</i>• Fencing Team Captain: Lead warmups, organize extraschoolar practices, organize team lists for competitions. <i>2018-2020</i>• President of the Computer Robotics Club: Give lectures, Attract and encourage new members, Advise all teams participating at Trinity <i>2018-2020</i>• Sailing Instructor: Teaching students aging 8+ to sail different types of boats for a week. Unpaid, but get lots of hours of training necessary for regattas. Responsibilities: Safety of students on open water, teaching. <i>2018-2019</i>
ACTIVITIES	<ul style="list-style-type: none">• Princeton Electric Racing (Formula Hybrid team)• Princeton Club Fencing