



ALEX E. GREEN

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[LinkedIn](#)

Sophomore at Purdue University studying Civil Engineering.
Interested in traffic optimization, roadway design, public infrastructure,
and computer science. Hockey player and community leader.

EDUCATION

Purdue University
West Lafayette, IN — Class of 2024
Cumulative GPA: 3.35

SKILLS

Microsoft and Google Workspaces.

Intermediate knowledge of
MicroStation, Java and Python.

Basic knowledge of AutoCAD,
Revit, ArcGIS Pro, C++, C, and
MATLAB.

ACTIVITIES

**American Society of Civil
Engineers – Purdue Chapter:**
Active Member since 2021.

**Institute of Transportation
Engineers – Purdue Chapter:**
Active Member since 2021.

Purdue Reamer Club: Observing
traditions and developing school
spirit since 1923. (Fall '21 Pledge).

High School Hockey: Starting
Varsity goaltender (all HS years).

Tuesday Night Science: Worked
with underprivileged elementary
school students to provide science
knowledge through experiments.
(all HS years)

AWARDS

**Most Positive Counselor Award -
TIC Camp:** 2019

**Maryland Student Hockey
League - Academic Honor Roll:**
2019

**Paul McKenzie Sportsmanship
First Award:** 2016, 2017, 2018

EXPERIENCE

Pape-Dawson Engineers, San Antonio, TX — Engineer Intern
May 2021 – August 2021

Worked on public-sector transportation infrastructure projects in San Antonio, TX.
Roadway: analyzed and redesigned (when necessary) 40+ urban driveways
to ensure ADA compliance; completed cost estimates for intersection design;
created exhibits for property owners regarding right-of-entry easements and
drafted SOP documentation for future easement projects.

Traffic: created comprehensive plan set for a multi-day 8.5-mile detour;
redesigned an urban intersection to minimize driver confusion and enhance
safety; drafted plans to improve signage and driver warning systems along a
curvy 2.5-mile stretch of highway, including necessary removal, proposal, and
layout sheets.

Green Summer Coding, Bethesda, MD — Creator, Counselor
March 2020 – August 2020 (during COVID pandemic)

Launched business offering remote personalized programming courses in
Python. Implemented online marketing and utilized course scheduling software.
Developed 10, 15, and 20 hour curricula. Taught 16 courses over 9 weeks.

TIC Summer Camp, Bethesda, MD — Programming Counselor
June 2019 – August 2019

Taught C++, Java, Python, and other programming languages to youth aged 8-
15. Changed teaching techniques based on each camper's aptitude and previous
experience, which ranged from none to multiple years. Instructed
6-8 campers for each two-week session.

EXTRACURRICULAR

**The Hop Shop, Georgetown Day High School — Co-Founder, Chief
Operating Officer**
August 2018 – June 2020

Designed and implemented systems to manage workload and improve efficiency
in the launch of a student-run school store. Developed scheduling, inventory, and
restock spreadsheets that are still in use. Recruited and led the team of student
volunteers who operate the store. Profits go to local charities, about \$5,000
monthly.

The Experiment, Spain
July 2018 – August 2018

A one-month exchange program. Led a design team to analyze data and
fabricate a 3D-printed ashtray that attaches to park benches for a Madrid
municipal park. Worked with a Valencia bike share company to assess commuter
bicycle usage from GPS tracking data.