

Brooks Mershon

<http://www.brooksmershon.com>
brooksmershon@gmail.com | 720.933.1079

EDUCATION

DUKE UNIVERSITY

BS IN COMPUTER SCIENCE

May 2016 | Durham, NC

Cum. GPA: 3.74 / 4.0

Duke Cycling Team Member

NEW YORK UNIVERSITY

WRITERS IN NEW YORK 2014

PENNSBURY HIGH SCHOOL

VALEDICTORIAN

June 2012 | Fairless Hills, PA

SKILLS

AVIATION

4034486CFI

Commercial Pilot (ASEL, GLIDER)

Flight Instructor (ASEL, GLIDER)

Instrument Airplane

FAA 1st Class Medical

Over 58 makes and models flown

Model aviation: Very current in fixed wing
and rotorcraft

EAA 1271516

IAC 440213

Hours:

TOTAL: 1470 • PIC: 1376

12-MONTHS: 505 • 90-DAYS: 109

ASEL (PIC): 839 • GLIDER (PIC): 520

TAILWHEEL: 599

CROSS COUNTRY (PIC): 254

INSTRUCTOR: 248

NIGHT (PIC): 66

SIMULATED INSTRUMENT: 53

ACTUAL INSTRUMENT: 1

MULTI: 5

Aircraft Ownership:

Pitts S1S | Jul. 2020 – Present

Cessna 150L | Feb. 2020 – Present

Skybolt 540 | Oct. 2019 – Jul. 2020

RV-6 | Aug. 2018 – Oct. 2019

DESIGN

Figma • SketchUp • DaVinci

PROGRAMMING

TypeScript • JavaScript • D3

Git • Make

HTML • CSS • \LaTeX

Familiar:

C++ • Python • Java • R • PostgreSQL

Emscripten

EXPERIENCE

TIMBER TIGER AIRCRAFT, INC. | TEST PILOT (CONTRACTOR)

November 2020 – Present | Boulder, CO

- Performed first flight on a new to market kitplane prototype, a Ryan ST replica 6 years in the making. All-CAD-from-the-ground-up, high quality kit being manufactured starting March 2021 for the homebuilder experimental aircraft market. Currently have 20+ hours in type.
- Formed long term relationship for providing flight test, design consultation, marketing, video production, and technical documentation to Timber Tiger Aircraft, Inc.

BOULDER PILOT, LLC | CO-OWNER AND PILOT

March 2020 – Present | Boulder, CO

- Started an aircraft ferry services and transition training LLC with an emphasis on experimental aircraft, biplanes, and other demanding tailwheel aircraft with a Fedex Express and Air National Guard Pilot.
- Developed the domain management, website, branding, merchandizing, and billing practices for the Boulder Pilot brand.

MILE HIGH GLIDING | MANAGER AND CHIEF PILOT

January 2019 – Present | Boulder, CO

- Experienced commercial glider and tow pilot (1,200+ glider flights flown). Responsible for staff pilot training.
- Organized and programmed everything related to software and marketing to run the business more efficiently under new ownership.

TRIMBLE SKETCHUP | SOFTWARE DEVELOPER

July 2016 – January 2019 | Boulder, CO

- Significant engineering and design involvement bringing SketchUp Web to the EDU market, including integrating online file saving with Google Drive.
- Focused on improving the look, feel, and usability of the SketchUp Web user interface, specifically the search for Commands and Outliner.
- 90 percent front-end work, 10 percent core geometry engine work.
- Won “Best Presentation” and “Best Overall Hack” at internal 2018 hackathon.

THE WASHINGTON POST | GRAPHICS INTERN

June 2015 – August 2015 | Washington, D.C.

- Designed graphics for print and online publication using Adobe Illustrator.
- Developed interactive graphics (JavaScript, D3) that were published online on subjects including baseball statistics, historical U.S. nuclear testing, and environmental conservation.

DUKE UNIVERSITY PRESS | BOOKS EDITORIAL INTERN

Jan 2015 – May 2015 | Durham, NC

VERSAL | SOFTWARE ENGINEERING INTERN

May 2013 – Aug 2013 | San Francisco, CA

- Developed simulations related to optics, epidemiology, image processing, and geometry as the company launched.