

Brooks Mershon

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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 59 makes and models flown

EAA 1271516

IAC 440213

Hours:

TOTAL: 1471 • PIC: 1377

12-MONTHS: 506 • 90-DAYS: 109

ASEL (PIC): 857 • GLIDER (PIC): 521

TAILWHEEL: 599

CROSS COUNTRY (PIC): 254

INSTRUCTOR: 249

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.