

# 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 58 makes and models flown

EAA 1271516

IAC 440213

#### Hours:

TOTAL: 1442 • PIC: 1347

12-MONTHS: 505 • 90-DAYS: 112

ASEL (PIC): 839 • GLIDER (PIC): 501

TAILWHEEL: 591

CROSS COUNTRY (PIC): 251

INSTRUCTOR: 233

NIGHT (PIC): 64

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

### PROGRAMMING

TypeScript • JavaScript • D3

Git • Make

HTML • CSS •  $\text{\LaTeX}$

#### Familiar:

C++ • Python • Java • R • PostgreSQL

Emscripten

## EXPERIENCE

### 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 website, branding, merchandizing, and billing practices for the Boulder Pilot brand.
- Long term contract test pilot for an Experimental Ryan ST replica. All new, CAD from the ground up, kitplane design being brought to market.
- Formed long term relationship for flight test, design consultation, marketing, video production, and technical documentation with Timber Tiger Aircraft.

### MILE HIGH GLIDING | MANAGER AND PILOT

January 2019 – Present | Boulder, CO

- Experienced commercial glider and tow pilot. Scenic glider rides, transition training, and primary flight instruction. Responsible for staff pilot training.
- Rebranding and implementing advertising and web presence under new ownership and merging with Journeys Aviation.
- Organizing restoration of existing gliders and acquisition of new aircraft.
- Overhauling facilities and modernizing scheduling and billing practices.

### 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.
- 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 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.