

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 • \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 domain management, 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.
- Organized and programmed everything related to software where needed to market and run the business more efficiently than it was before.
- 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.