Fred Block | 720.432.2386 | fb@fredblock.com | github.com/blocknroll

My goal is to join an innovative team, and to apply my skills as a pilot,
developer, and designer to help build new aviation technologies.

SKILL SET

Aviation: Commercial Pilot (ASMEL, Instrument), Certified Flight Instructor (CFI, CFII, MEI)

Total hours: 736   PIC: 669   Instructor: 432   Multi-engine: 33   UAV: 100

Front-end: HTML5, CSS3, JavaScript, JQuery, AJAX, Bootstrap, Foundation

Back-end: Ruby 2, Rails 4, Sinatra, Node, Express, PostgreSQL, TDD, Agile processes

Creative: Adobe Creative Suite, Print Design, Photography, Videography, Music, Writing

CODE

Testa-Rossa-Boxer | github.com/blocknroll/testbed
A Nodebot project with web-based remote controls. A Raspberry Pi-based Express server hosts a mobile web UI with real-time control via web sockets. An Arduino manages controls via an H-bridge motor driver.

Synthesis | github.com/blocknroll/synthesis-mockdata
A project to explore Node.js, Event-Driven-Development, and real-time web sockets. An Express server listens for sensor information and updates a web dashboard in real time via socket.io.

Kaleidoscope | kaleid-o-scope.herokuapp.com | github.com/blocknroll/Kaleidoscope
A two-week team project that finds a user's location on a map and plots nearby Instagram posts. The app uses AJAX to query the Instagram API with geolocation data and plots the results using Mapbox.js.

Design Portfolio | portfolio.fredblock.com | github.com/blocknroll/portfolio
A portfolio site built with Rails for presenting a selection of my graphic design work.

PROFESSIONAL EXPERIENCE

Founder + Designer	Block Design, Denver, CO	*2/2010 – present*
Art Director + Writer + Photographer	Pilot Magazine, Denver, CO	*4/2012 – 4/2013*
Co-Founder + VP of Marketing	Victory Lane, Cobbtown, GA	*12/2005 – 2/2010*
Video Director + Designer + Manager	3rd Lair Skatepark, Minneapolis, MN	*12/2004 – 12/2005*
Co-Founder + Designer + Audio Engineer	Wrinkle Studios, Minneapolis, MN	*8/1997 – 12/2005*
Graphic Designer	Adstaff, Hudson & Associates, Neenah, WI	*3/1995 – 8/1997*
Certified Flight Instructor	Fox Valley Technical College, Oshkosh, WI	*6/1995 – 5/1996*
Certified Flight Instructor + Aerial Tour Guide	Sparta Aviation, Teterboro, NJ	*7/1994 – 3/1995*

EDUCATION

Web Application Development with Ruby, Rails and JavaScript Turing School of Software and Design, Denver, CO	*12/2014 – 9/2015*
Bachelor of Aeronautical Science, Cum Laude Honors Embry-Riddle Aeronautical University, Daytona Beach, FL	*9/1989 – 7/1993*
Apprentice Graphic Designer	Adstaff, Hudson & Associates, Neenah, WI	*6/1985 – 9/1989*