

FRANK SOMMERS

SOFTWARE ENGINEER

✉ ssommers21@gmail.com

🌐 ffsommers.github.io

📞 617-733-1892

📍 San Francisco CA

in

<https://www.linkedin.com/in/frank-sommers>

Hi, I'm Frank, a full-stack engineer with a background in drones and a passion for hardware hacking. While my undergrad studies focused on foreign policy, security studies, and Arabic, I found my calling in tech when I co-founded a drone startup in San Francisco called AeriCam. Most recently, I graduated from Dev Bootcamp, a 19-week immersive software engineering course. I now spend the majority of my time building web-based applications and integrating a variety of associated hardware. I am currently looking for a position to continue growing this passion and explore new technologies.

Skills

FRONT-END

HTML 5

JavaScript

JQuery

CSS3

SASS/SCSS

Bootstrap

Materialize

HamI

ES6

BACK-END

Ruby

Node

Python

PostgreSQL

SQLite

CSV

XML

ActionCable

WebSockets

Ruby on Rails

HARDWARE

CAD

3d Printing

3d Scanning

Computer Camera Tracking

Drone Software / Hardware

Arduino

CNC

PCB Design

CAM

Projects

Klink

Recognizing that children learn through repetition and feedback, Klink is a suite of educational games for children to learn how to read and write. Klink was built with a Rails back end and JavaScript front end. We took a cross-platform approach for optimal accessibility. Our collection of games can be connected to the Microsoft Kinect, a Leap Motion Sensor, or any mobile device to allow users to play games with a wave of a hand. On top of incorporating multiple different hardware platforms, I also created a math game where children can practice their basic math skills in a entertaining and faced-paced environment. This project's tech stack included: Ruby on Rails, Fabric JS, Javascript, HTML and CSS.

Repo/d

Repo/d is a Ruby on Rails application which allows students to search, browse, and link to tech resources that enhance their learning experience. Teachers post recommended resources for students which relate to course content, and students are able to suggest resources which must be approved by a teacher before they appear in the student view.

Social Recon

Social Recon is a Rails based project for mapping trends using data from the Twitter API. Users can map data by any topic, a particular twitter user, or company and visually map the data through the Google Maps Api. This app makes it easy to visualize the geographic impact of events as well as extrapolate from the data, how people from different geographic locations reacted. In the future I would like to add an analytics layer where the tweets being mapped could also be analyzed for trends, themes, and tone.

Employment

United States Marine Corps

Officer Candidate

Quantico VA

Sep 2014 to Oct 2014

- My experience as a Marine Corps Officer Candidate demonstrated my ability to swiftly and effectively respond to unexpected challenges and thrive in a fast paced, high stress, physically demanding environment. Candidates both lead and function as team members under extremely stressful and challenging conditions. As a result of my experiences at OCS, outside the Marine Corps, I have been repeatedly chosen by colleagues or team mates to lead projects because of the leadership skills I acquired at OCS.

AeriCam

Vice President

San Francisco CA

Sep 2012 to Current

San Francisco based drone startup for professional and consumer aerial photography.

- Presented at Amazon on integration of drones into the industrial and consumer sectors.
- Led joint project with LG Corp in the development of the Anura Pocket Drone.
- Led design, prototyping, and business outreach for the Anura Pocket Drone, a pocket sized drone for automated self shot photography and videography
- Developed and completed two successful Kickstarter projects:
 - Anura Pocket Drone.
 - Hollywood Camera Gimbal.
- Represented AeriCam at the National Association of Broadcasters convention in Las Vegas 2013.

Education

Dev Bootcamp

Software Engineer 2016

Completed 19-week Web Development training focused on Ruby on Rails and collaborative work. Led a group of 5 in building Klink, an educational app incorporating multi touch hardware and Microsoft Kinect.

Boston University, Boston MA

BA International Relations / Security Studies 2012

Center for English Language & Orientation Program Language pairing partner for Arabic speaking students. Men's Lacrosse Navy ROTC.

Volunteering

San Francisco - Marin Food Bank

San Francisco

General volunteer.

Presidio Trust

Volunteered with various environmental tasks.

Habitat for Humanity Greater San Francisco

Volunteered in organizing and maintaining their local store.

UCSF Partners in Care - Volunteer

San Francisco

Assisted in augmenting their Salesforce database.