Aaron Zomback

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Hello, I'm Aaron. I'm a software engineer and filmmaker. One of my goals is to transform and improve educational experiences through storytelling and immersive technology. I enjoy writing JavaScript, Ruby-on-Rails, Python, and Java to build a variety of full-stack needs.

PROFESSIONAL EXPERIENCE

Freelance Software Developer and UX Designer
Chazay d'Azergues, FR

March 2020 - present

I've been hired to work for a variety of successful clients, from designing a food takeout app for a start-up, a boutique t-shirt company, to redesigning a restaurant point-of-sale system. My portfolio can be found at www.zomback.design.

Sr. Research Associate Scientist, Calder Biosciences
Brooklyn, NY

November 2014 - October 2019

Designed and conducted experiments targeting vaccine candidates for HIV, RSV (Respiratory Syncytial Virus) & Influenza.

EDUCATION

SuperHi, *online courses*

December 2019 - May 2020

Ruby-on-Rails,
Foundations HTML/CSS/JavaScript,
Command Line for Creatives,
Intro to UX,
Visual Design & Branding

University of Washington, Seattle, WA — *Biochemistry B.S.*

September 2009 - June 2014

Distinction: awarded Mary Gates Research Scholarship for host-virus research work, mentored by Dr. Matt Daugherty in the Malik Lab.

SKILLS

CODING Ruby on Rails/Javascript/CSS/HTML/Git & GitHub foundational coding knowledge and applications.

UX/UI DESIGN Building interactive mobile/web prototypes in Figma. Other deliverables include: user-flows

VIDEO motion effects and graphics editing using Adobe After Effects. Expert with Adobe Premiere Cs6+

COMMUNICATION strong experience in working with clients to achieve their business goals. I have strong experience presenting scientific data, collaborating with other researchers and colleagues, & planning strategies to achieve business objectives.

VISUAL SOFTWARE APPLICATIONS Figma, Framer, Blender 3D, Illustrator, Photoshop

AWARDS

Mary Gates Research Scholarship Viral & Host Protein Interaction Research

PUBLICATIONS

Prefusion RSV F Immunization Elicits Th2-Mediated Lung Pathology in Mice

Eichinger, K.M., Kosanovich, J.L., Gidwani, S.V., **Zomback, A**., et al., Frontiers in Immunology, 29 July 2020

https://www.frontiersin.org/articles/10.3389/fimmu.2020.01673/full

PROJECTS

TimeSink™ — *A web app for an online cinema platform*

Designing and developing an online platform for filmmakers to present their work and receive user reviews. I am writing the application using Ruby on Rails.

FILMS

Sovereign Blue— 2018, *short film*

My second short film that I created while I was living and working in Brooklyn, NY - I wrote, produced, and directed this short, featuring Rodney Ferrer as the maniacal CEO of a multi-media company. A review of the film can be found here at UK Film Review.

Expanded Metal — 2016, *short film*

My first short film that I created. It later went on to screen at the 2017 Philip K. Dick Science Fiction film festival in New York City.

LANGUAGES

English (native), French (learning), Spanish (proficiency)