

Aaron Zomback

Hello, I'm Aaron. I have a strong scientific background that combines software engineering and computational skills. My life's work is writing and filmmaking. Without the creative process, everything becomes stale.

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PROFESSIONAL EXPERIENCE

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

Codeworks - *Software Engineering Immersive, Europe Remote*

June 2021 - Sept 2021

Full time & intensive 12 week software engineering program mastering full-stack javascript applications.

Georgia Tech, Atlanta, GA - *Computer Science MS, Online*

September 2021 - Ongoing

Studying part-time in Georgia Tech's OMSCS program. I'm interested in specializing in Interactive Intelligence.

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.

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>

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

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.

LANGUAGES

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

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.