

# DAVID MOSTOLLER

## SOFTWARE ENGINEER

### CONTACT

609-356-2011  
dmostoller@gmail.com  
Philadelphia, PA, USA  
[www.davidmostoller.com](http://www.davidmostoller.com)  
[LinkedIn](#) | [GitHub](#) | [Medium](#)

### PROFILE

I am a results-driven team leader and a software engineer motivated to create impactful products that foster community.

### SKILLS

#### Front-End Development:

*React, Javascript, HTML5, CSS, SaSS, Semantic-UI, Tailwind, Typescript, Webpack, Redux, Next.js, Node.js, Cloudinary, APIs, Git*

- API Integration
- Performance Optimization
- Agile Methodologies
- UI/UX Design
- Testing Frameworks

#### Back-End Development:

*Python, Flask, PostgreSQL, Rest APIs, AWS, SQLAlchemy, Docker, .NET, PHP, Ruby, Git, Postman, Google Analytics*

- Database Design
- Object Oriented Programming
- Cloud Services
- Debugging
- Microservices

#### LLMs/AI:

*ChatGPT, LLama-Index*

- Indexing
- Machine Learning

#### Data Analysis:

*SQL, MySQL, Mapbox*

- Analytical Thinking
- Collaboration

#### Graphic Design:

*Adobe Creative Suite*

### WORK

#### Full Stack Software Engineer

2022-current

Freelance, *Philadelphia, PA*

- Designed and coded responsive, user-friendly websites and web applications.
- Implemented robust front-end features with React and efficient back-end solutions with Python/Flask.
- Produced high-quality deliverables, increasing client satisfaction by 35%.
- Managed full project life cycles from planning to deployment and maintenance.

#### Psytrance Production Mentor / Web Developer

2020-2023

Future Media Academy, *Belgium*

- Developed curriculum and mentored students in music production.
- Enhanced accessibility, UI/UX and video streaming capabilities, boosting user engagement by 50%.
- Improved performance of web-based tools, reducing downtime by 35%.
- Implemented digital learning solutions, increasing completion rates by 25%.

#### Business Analyst

2015-2016

Zoomer, Inc, *Philadelphia, PA*

- Managed SQL datasets and dashboards to inform executive decision making.
- Utilized MapBox to create data visualizations that contributed to Zoomer's growth to a \$20 million valuation.

#### Software Engineer

2010-2012

Entourage Yearbooks, *Princeton, NJ*

- Led team to develop a yearbook management platform, leading to a 150% increase in annual revenue.
- Spearheaded the integration of Chili Publish, making Entourage the first U.S. online yearbook publisher to offer comprehensive web-based design software, which improved design capabilities and customer satisfaction by 30%.
- Ensured seamless compatibility between front-end and back-end systems, reducing system errors by 25%.

#### Digital Marketing & Brand Manager

2008-2023

Kabayun, Superluminal, *Philadelphia, PA*

- Developed a dedicated artist website and cross-platform brand and marketing strategies.
- Attracted 100,000 new followers through targeted advertising and marketing campaigns.
- Created graphics, videos and promotional material for a global audience.

EDUCATION

The Flatiron School

Certificate 2023-2024  
Software Engineering & Computer Science

Wesleyan University

Bachelor of the Arts 2004-2008  
Government

REFERENCES

Malcolm Wyer Design Researcher

802-291-2279

malcolm.wyer@gmail.com

PROJECTS

Artist-Fan Interaction & Content Hub 2024

React, Python, Flask, Javascript, SQLAlchemy, GeoPy, Cloudinary, PostgreSQL, WaveSurfer, Semantic-UI  
A dynamic user experience platform for artists to create and share content while engaging with fans through interactive features like chat forums and personalized music collections.

Github Repo | Deployed Site | Video Demo

Contextual Video Chatbot Assistant 2024

React, Python, Flask, Javascript, CSS, ChatGPT, Llama-Index  
A smart tool that incorporates an interactive React front end and AI technology in order to enhance YouTube user learning experiences.

Github Repo | Deployed Site | Video Demo

Interactive Artist Showcase & Engagement Platform 2024

React, Python, Flask, Javascript, SQLAlchemy, Semantic-UI, Cloudinary, PostgreSQL  
An interactive platform for artists to showcase their work and engage with their audience through comments and feedback.

Github Repo | Deployed Site | Video Demo

Mars Base (Oregon Trail: In Space) 2024

Python, SQLAlchemy, Rich, Playsound  
A turn-based, command-line interface game that incorporates multimedia elements like ASCII art and uses Python and SQLAlchemy to create complex game logic.

Github Repo | Video Demo