

# JACOB MULCAHY

Chicago, IL

Phone: 314-805-6855 | Email: [jacobkmulcahy@gmail.com](mailto:jacobkmulcahy@gmail.com)

LinkedIn: [linkedin.com/in/jacob-mulcahy](https://www.linkedin.com/in/jacob-mulcahy) | GitHub: [github.com/jmulcahy92](https://github.com/jmulcahy92)

Portfolio: [jmulcahy92.github.io/React-Portfolio](https://jmulcahy92.github.io/React-Portfolio)

## SUMMARY

Former student of physics and mathematics turned professional artist turned budding web developer. Through it all, passionate about applying the precision of math and logic to the artful creation of beautiful objects and places (both real and virtual). Received instruction at top-ranking educational institutions and utilized the skills cultivated there to aid renowned artists and scientists alike in the execution of their visions. Always excited to try new experiences, learn new skills, and boldly go where none have gone before.

## TECHNICAL SKILLS

JavaScript ES6+, CSS3, HTML5, SQL, NoSQL, GitHub, MongoDB, MySQL, Express, React, Node, Handlebars, jQuery, Bootstrap

## PROJECTS

**JADA Quiz App:** *Frontend Developer*

[github.com/jmulcahy92/JADA-Quiz-App](https://github.com/jmulcahy92/JADA-Quiz-App) | [jada-quiz-app.herokuapp.com](https://jada-quiz-app.herokuapp.com)

- MERN-stack single page trivia game app
- Led creation of a dynamic quiz page that tracked user scores and time taken, and allowed users to see sitewide high scores, "favorite" the quiz, or reattempt
- Tools: MongoDB, GraphQL, Express, Node, React

**Social Movie Media:** *Full-Stack Developer*

[github.com/jmulcahy92/Social-Movie-Media](https://github.com/jmulcahy92/Social-Movie-Media) | [mighty-plains-34884.herokuapp.com](https://mighty-plains-34884.herokuapp.com)

- MVC paradigm film review social media website
- Programmed full suite of CRUD operations for manipulating a MySQL database
- Seeded database with test data for 2000 films (plus several users and reviews)
- Tools: Express, Node, Handlebars, MySQL, Sequelize ORM

**Day in the Park:** *Project Manager, Developer*

[github.com/jmulcahy92/Day-in-the-Park](https://github.com/jmulcahy92/Day-in-the-Park) | [jmulcahy92.github.io/Day-in-the-Park](https://jmulcahy92.github.io/Day-in-the-Park)

- National Parks Service informational resource
- Closely tracked project progress and assigned tasks to group members
- Dynamically displayed park-specific data pulled from official NPS API
- Implemented local storage of "favorite activities" that carried over between parks
- Tools: Tailwind CSS, National Parks Service API, OpenWeather API

## EXPERIENCE

### **Scenic Designer/Carpenter**

2016 – 2023

#### **Self-Employed**

Chicago, IL

Cooperated with many diverse teams of directors and designers to execute cohesive shared creative visions. Constructed and demolished complex and dynamic sets within very strict timeframes. Stayed within tight budgets without compromising set safety, stability, or appearance.

Key Accomplishments:

- Helped produce shows seen by thousands of audience members across hundreds of performances
- Multiple Jeff Award-nominated productions, including four winners

### **Bronzeworker**

2021 – 2022

#### **True Form Productions**

Chicago, IL

Aided an experienced team in every step of the bronze-sculpting process. Learned complex new skills on the fly in a fast-paced environment. Ensured the health and safety of myself and others in the presence of dangerous materials.

Key Accomplishments:

- Contributed to works of art on behalf of famous sculptors for display at Chicago's Museum of Contemporary Art and St Louis's Civil Courts Building
- Entrusted with design/construction of new sandblasting station sizable enough to fit large sculptures while remaining easily collapsible for storage and transport

## EDUCATION

### ***Full Stack Web Development Coding Boot Camp: Northwestern University, Chicago, IL***

A 12-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

### ***BA, Mathematics: University of Chicago, Chicago, IL***

Standard four-year undergraduate degree in mathematics from a global top-ten university