

**Nick McDonnell**  
[Email](#) [Portfolio](#) [Linkedin](#) [Github](#)  
203-947-1179  
44 McGuinness Blvd, Brooklyn NY 11222

## WORK EXPERIENCE

---

### **Peddie School**

Hightstown, NJ

*Mathematics Teacher/Tennis Coach*

Aug 2019-June 2020

- Taught 40 students in Precalculus, Calculus, Geometry, and Algebra
- Facilitated two classes of mathematical problem-solving, enabling students to apply themselves to understand core math topics

### **Culver Academies**

Culver, IN

*Math Teaching Fellow/Tennis Coach*

Aug. 2018-June 2019

- Instructed 20 students in Geometry for one and a half semesters after observing a mentor for two months
- Led Junior Varsity tennis practice for the men's team and assisted in running the Varsity practice for the women's team

## PROJECTS

11/2020-12/2020

### **Poll Classroom** (React, Redux, PostgreSQL, Ruby on Rails, NodeJs, Javascript)

[Repo](#) [Link](#)

- Harnessed Redux single-state management to streamline communication between backend and frontend architecture
- Built out a websocket component, allowing users to create questions and share an interactable link.

### **Space Explorers** (Google Maps API, MongoDB, Express, React, NodeJS)

[Repo](#) [Link](#)

- Collaborated on a MERN Stack Project, involving Git to maintain appropriate workflow.
- Set up the project's front end, with MongoDB and Mongoose as the ODM

### **Punch Fu** (Javascript, Canvas, HTML5, CSS)

[Repo](#) [Link](#)

- Built a custom game engine using JavaScript that manages the movement of a character, weapon objects, and tallies to influence gameplay experience
- Developed a timing algorithm to provide over time rise in difficulty of objects.

## EDUCATION

---

### **App Academy**

New York, NY

*Student*

Jul 2020-Nov 2020

- Worked for 100 hours a week, pair programming with fellow students, and taking weekly examinations
- Developed websites using Javascript and Ruby working on both Front and Back End of development
- Fostered team atmosphere, helping establish daily goals and objectives with peers

### **The University of Chicago**

Chicago, IL

*Mathematics B.A.*

June 2017

Relevant Courses: Computer Science and Applications

## SKILLS AND INTERESTS

---

- Experienced with: Javascript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, JQuery, Git, Heroku
- Conversational in French