

RICHARD KAPLAN

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Full-stack developer who uses an engineering and research background to fuel problem-solving efforts through coding. Recently earned a certificate in full stack development from UPenn's coding bootcamp, with newly developed skills in JavaScript, CSS, React.js, and responsive web design. I'm excited to leverage my skills in service of developing functional applications that require strong problem-solving acumen to make.

TECHNICAL SKILLS

JavaScript ES6+, CSS3, HTML5, SQL, NoSQL, GitHub, MongoDB, MySQL, Express, React, Node, Handlebars, jQuery, Bootstrap, Python3, Pandas, NumPy, Django, C#, ASP.NET, Unity, Java, Spring, R, Ruby, Swift, Kotlin, PHP, Go, MATLAB, Visual Studio, Visual Studio Code, Android Studio

EDUCATION

Certificate, Full-Stack Web Development – University of Pennsylvania, Philadelphia, PA

Master of Science, Macromolecular Science and Engineering – University of Michigan, Ann Arbor, MI

Bachelor of Science, Molecular Engineering – The University of Chicago, Chicago, IL

PROJECTS

TeamDex | <https://github.com/rykaplan1/teamdex> | <https://teamdex.herokuapp.com>

- Summary: Allows users to create and store Pokémon teams for any game in the mainline series
- Role: Full-stack JavaScript programmer
- Tools: Handlebars, CSS, JavaScript, Express, Bootstrap, PokéAPI

Game Getter | <https://github.com/rykaplan1/game-getter> |

<https://rykaplan1.github.io/game-getter/>

- Summary: Shows current deals on video games by keyword search and filtered by platform and/or genre
- Role: Front-end JavaScript programmer
- Tools: HTML, CSS, JavaScript, jQuery, jQuery UI, Materialize, Font Awesome, RAWG API, CheapShark API

Weather Dashboard | <https://github.com/rykaplan1/weather-dashboard> | <https://rykaplan1.github.io/weather-dashboard/>

- Summary: Displays current weather and 5-day forecast for user's current location on load, with the option to search for weather in other cities and access previously searched cities
- Role: Sole author
- Tools: HTML, CSS, JavaScript, jQuery, jQuery UI, Bootstrap, Moment.js, OpenWeather API

Library of Congress Searcher | <https://github.com/rykaplan1/library-of-congress-searcher> | <https://rykaplan1.github.io/library-of-congress-searcher/>

- Summary: Search engine allowing the user to search the Library of Congress Archives by keyword, with the option to filter by media format
- Role: Sole author
- Tools: HTML, CSS, JavaScript, jQuery, jQuery UI, Bootstrap, Library of Congress API

EXPERIENCE

Graduate Research Assistant

2020-2021

University of Michigan

Ann Arbor, MI

Engaged in research activity in a highly collaborative environment under the supervision of a professor

Key Accomplishments:

- Contributed to ongoing research of bacteria-repellent surfaces
- Named author on a published paper written in collaboration with professor and overseas research teams

Undergraduate Research Assistant

2018-2019

The University of Chicago

Chicago, IL

Assisted a graduate student in research activity in a highly collaborative environment

Key Accomplishments:

- Contributed to ongoing research of ionically conductive cellulose films
- Named author on a published paper based on work done in this position