

### Technical Skills

Strong: JavaScript, ECMAScript 6, React, Redux, Node.JS, PHP, MySQL, Git, GitHub, Ubuntu jQuery, HTML/CSS, AJAX, Material Design

Experienced: Mathematica Programming, Python, Perl, XML, Neural Networks, Machine Learning, Java, C++, Agile Development Process, Android App Development

### Applications Developed

#### FlappCards

[live](#) | [GitHub](#)

- An application for creating and sharing digital flashcards with your friends and network
- Developed app components in the **React** library and **Redux** framework.
- Actualized curated content delivery of data returned by **MySQL** queries of the database relayed through a server written in **Node.JS** and **Express** frameworks.
- Applied **Material Design** principles implementing **Material UI** components.

#### Student Grade Table

[live](#) | [GitHub](#)

- An application for students and educators for managing course grades and course rosters.
- Utilized **JavaScript** and **jQuery** with integrated **PHP/MySQL** managed database features. Styled using **Bootstrap v4**.
  - Managed database access rights for the database and table connected to the live version.

#### Plenty of Paws

[live](#) | [GitHub](#)

- An application created with four developers that facilitates the adoption of local animals.
- Utilized **Petfinder**, **Google Maps**, and **Walmart API**'s that provided relevant application data, e.g. pets available for adoption in user's area.
- Styled using **Bootstrap v3**.

### Professional Experience

#### Synthetic Organic, Physical/Organic Chemistry Researcher

- Presentation of research results at conferences
- Responsible for the synthesis of a novel [12]-annulene derivative
- Responsible for the synthesis and spectroscopic characterization of polymeric materials
- Presentation of research results at conferences (oral and poster presentation)

#### Teaching Assistant: Physical Chemistry Lab, Organic I Lecture + Lab

- Responsible for oversight of students (16 students)
  - Briefed students on laboratory procedure
  - Supervised student usage of instrumentation

### Education

- Learning Fuze: Accelerated Web Development Program
- B.S. in Chemistry (ACS Certified)
  - Minor: Mathematics

Irvine, CA  
Northern Kentucky Uni.