

# JOHN KEARNEY

Web Developer

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Portfolio



[www.johnkearney.dev](http://www.johnkearney.dev)

[github.com/JohnKearney2020](https://github.com/JohnKearney2020)

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## EDUCATION

**Purdue School of Engineering and Technology**, Indiana University-Purdue University Indianapolis

May 2018

*Bachelor of Science – Mechanical Engineering*

**Immersive Full-Stack Web Development Coding Bootcamp**, DigitalCrafts, Houston, TX

January - May 2020

*Full Stack Web Development Certificate*

## SOFTWARE DEVELOPMENT PROJECTS

**Meet Me Halfway** – backend || <http://johnkearneysolutions.net.s3-website.us-east-2.amazonaws.com/> || [github.com/JohnKearney2020/API-Project](https://github.com/JohnKearney2020/API-Project)

- Allows users in the Houston Metropolitan area to find a place to meet halfway between their locations, measured by driving time, and returns local restaurants within a user defined radius of that point.
- Connected to the Google Maps API and created an algorithm for finding the midpoint between two locations.
- Integrated restaurant results from the Zomato API into the Google Map displayed to users.
- Hosted on a live AWS S3 web server.

**Nabi Freedom** – backend || Not yet hosted || [github.com/meryemkmr/nabifreedom](https://github.com/meryemkmr/nabifreedom)

- Website for a local non-profit providing services and support for non-violent prisoners built on Node.js
- Created AWS Relational Database Service database using Sequelize to track users and user roles, pending and prior contact requests, and current sponsored prisoners.
- Set up a user-friendly administration dashboard to allow designated admins to respond to contact requests, add or delete sponsored prisoners featured on the site, and view, edit, and export user information for newsletters. All functionality is automated – admins can curate and maintain the site without needing technical skills or knowledge.
- Set up user registration, login, and authentication using Sequelize, Node.js, and bcrypt, and PayPal donation functionality.

**Theros Beyond Death** – full stack || Not yet hosted || [github.com/JohnKearney2020/Node/tree/master/mtgProject](https://github.com/JohnKearney2020/Node/tree/master/mtgProject)

- Website for viewing and filtering all cards released in the newest set of the Magic: The Gathering card game.
- Dynamically connects to the INSERT-API-HERE to display cards based on the user's input and built on Node.js
- Fully scalable front end built using Bootstrap 4, HTML 5, and CSS that works on all screen sizes.

## WORK EXPERIENCE

**Barrios Technology** – Johnson Space Center, Houston, TX – *Visiting Vehicle Engineer* June 2018 – December 2019

- Created and maintained an automated, user-friendly disposal data collection, verification, and comparison tool to aid NASA International Space Station short and long term flight planning using Excel and VBA.
- Improved, maintained, and added automated crew count calculations and trash projection curves to an existing International Space Station stowage and disposal projection tool for flight planning using Excel and VBA.
- MAPI Recognition Award for time-saving VBA based Excel tools for ISS trash projections.
- MAPI Recognition Award for ISS international docking adapter dimensional data assessment.

## INTERNSHIPS

**Ford Motor Company** – Chicago, IL, *Manufacturing Engineering Intern* May 2017 – August 2017

**Rolls Royce** – Indianapolis, IN, *Manufacturing Engineering Purchasing Intern* May 2016 – August 2016

**Subaru** – Lafayette, IN, *In-Process Quality Control Engineering Intern* January 2016 – May 2016

**Sullair** – Michigan City, IN, *Manufacturing Engineering Intern* May 2015 – August 2015

## LANGUAGES AND TECHNOLOGIES

HTML 5, CSS 3, Bootstrap 4, jQuery, Javascript ES6, Google Maps API, EJS, Amazon Web Services, Node.js, Express.js, PostgreSQL, Sequelize, Python, VBA, React, Redux