­S. JACOB FIELDS

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# Technical Qualifications

* **Web Development:** HTML5, CSS3, React, Javascript
* **Database management**: SQL, MongoDB, JSON
* **Object Oriented Programming:** Python (Bottle)
* **Other:** Linux, GitHub, Heroku

# Skills

* Exposure to agile development environment – able to work independently in a sprint methodology
* Excellent problem solver and learner – Stack Overflow Sleuth
* Deep understanding of git – specifically GitHub best practices

# Work Experience

Junior Developer, Dreamschools ([Link](https://dreamschools.com/)) August 2019 – October 2019

Dreamschools helps connect parents with early childhood education resources and after school programs.

* Assisted in the development of front end and admin components and ensured proper access control according to specific account privileges
* Built functional web pages using design documents ensuring that aspects were updated for a better user experience and web best practices
* Technologies used: React, PostgreSQL, Node, Express

# Projects

Canada General Warranty Quiz SPA ([Link](https://canada-general-warranty-quiz.web.app/)), Remote Freelance. July 2021

* Created a multi-step quiz feature with client-side checks for training purposes; quiz included options to scale to additional questions or server-side answer checks
* Users would use the quiz to access more features within the company’s intranet
* Technologies used: React, Bootstrap, Google Firebase

Whats-The-Date Twitter Bot ([@WhatsTheDate](https://twitter.com/WhatsTheDate)), Personal Project. January 2021

* Managed the ideation and development of an autonomous always-on Twitter bot to interact with users and Tweet the date daily – roadmap includes calculating and replying how many days until a certain date when asked by a user and posting custom messages on Holidays
* App infrastructure was built using Python and the Twitter API, all roadmap features can be integrated into Python using in-built libraries

React Web Development Course ([Link](https://react-my-burger-cf634.web.app/)), Udemy. August 2020 – September 2020

* Built a basic burger app with limited functionality which included login and logout features, order creation and previous order retrieval per unique user
* Upgraded and deployed the basic burger app to use React Router, Redux, Hooks, and Google Firebase, which allowed the app to connect to a database, have multiple pages with unique URLs, and automatic redirections if users weren’t logged in while trying to view restricted pages.

# Education

**Computer Programming - Diploma, Niagara College, 2016-2019**

* Related Classes Software Development, Web development, Universal Windows Platform Development, Computer Hardware Troubleshooting, Network Hardware Troubleshooting, Team Development.

**Video game development, RCC Institute of Technology, 2013-2015**