Zackery Harley

Software Engineer

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work experience

Junior Developer @ Superna

04/2016 – 08/2016

Designed, built using the MERN (MongoDB, Express.js, React.js, Node.js) stack, and deployed a CRM dashboard used to display customer analytics. Google Cloud Platform (GCP) infrastructure was used for deployment, with Jenkins CI running unit testing for QA. Contributed production-quality Java code for Superna's flagship Eyeglass product, pertaining to the interaction with the CRM dashboard.

projects

gitStarted @ QHacks 2016, Queen's University

Winner of "First Place" and "Best DevTool". gitStarted is a DevTool which can be used to generate Node.js projects in seconds. The projects are created on GitHub and are usable immediately after generation. Integrated GitHub's API with the app and generated the files for the new projects.

Groundhog D.AI @ Hack the North 2016

Groundhog D.Ai is a web app that predicts, using machine learning, whether a movie will achieve commercial success by comparing it to movies released in the past. Worked on DevOps, deploying Kubernetes microservices written in Node.js to managed clusters on the GCP. Created Jenkins jobs to simplify the development pipeline. Created the server used to render the React frontend.

Photoverse @ ConUHacks 2016, Concordia University

Winner of "Clarifai's API Challenge". Photoverse is a web app that uses Clarifai's image tagging API to suggest 8tracks playlists. Based on Clarifai's API and 8tracks (info retrieved via DOM scraping), I generated iframes for playlists which were returned to the client. Also added styling using Stylus.

extracurricular experience

Lead Developer @ Queen's Technology and Media Association

03/2016 – Present

Responsible for developing a new software application, as well as deciding how to allocate $2,000 in funding. Created styleguides for both CSS and JavaScript. In charge of creating a development lifecycle, including continuous integration, version control, testing, deployment, and release updates.

IT and Media Coordinator @ Queen's Space Conference (QSC)

10/2015 – 03/2016

Created a static website using HTML, CSS, and JavaScript, as well as a small amount of PHP, for all things QSC, including ticket sales and delegate applications.

education

B.A.Sc, Computer Engineering @ Queen's University

2014 – 2018