

Spencer Dobrik

3A Software Engineering

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Skills

LANGUAGES	Java, C, C++, HTML, CSS, Javascript, Python, Bash
FRAMEWORKS	AngularJS, LESS, Jasmine, Protractor, TypeScript, React, D3.js, Highcharts, Enzyme, Redux
TOOLS	Git, Mecerual, JIRA/Confluence, Photoshop, Lightroom, Firebase

Experience

Majik Systems · Front End Developer

Sep 2017 - Dec 2017

- Developed software to help clients monitor, analyze, and optimize their factory processes.
- Used extra time to interview customers and design mock ups in order to rebuild the dashboard of the software.
- Built a factory flow simulation with D3, which allows customers to see issues in their factories in real time.
- Wrote Bash scripts to automate project refactoring.
- Increased loading speed of multiple pages by 30 - 50%, leveraging React and Redux.
- Researched and integrated new libraries to speed up the application and development cycle.

General Motors · Innovation Specialist

Jan 2017 - Apr 2017

- Followed lean development principles to innovate and iterate on designs for GM vehicles and products.
- Developed prototype to simulate a 360° view experience, evaluated functionality with users and reported feedback.
- Researched and developed new products and strategies to increase seat belt usage and customer satisfaction.
- Identified and validated customer problems, rapidly created and iterated a prototype solution, and tested the prototype with customers.
- Saved GM significant time and money compared to traditional customer clinics.
- Led engineering teams in idea creation workshops involving customers to generate new products and processes.

Imagine Communications · Full Stack Web Developer

May 2016 - Aug 2016

- Implemented a web-based graphics editor using AngularJS, Typescript, and LESS.
- Used C# and .NET to connect the legacy software to the new web-based graphics editor.
- Increased test coverage by 20% using both Jasmine and Protractor.

Projects

Personal Website

- Highlights projects and work experience.
- Built with React while leveraging Material-UI for beautiful components.
- Check out this project and others at SpencerDobrik.com.

YourTravels

- Gives users the opportunity to see their previous travels in a rich medium.
- Built in React, with Firebase being used on the backend for hosting and database.
- Uses Facebook Authentication and location history.
- Leverages Google Maps API for both the map and autocomplete suggestions.

Activities

WATonomous - User Interface Team Member

Sep 2017 - Dec 2017

- Designed and implemented an interface to help other teams visualize data and communicate with occupants.
- Developed the UI for the autonomous car using ROS and Python.

Feds Student Council - Engineering Councilor

2016 - 2017

- Helped shape the policies around the university and bring a voice to my constituents.
- Member of co-op students council, which works with CECA to improve co-op at University of Waterloo.
- Member of the student life endowment fund committee.

University of Waterloo Varsity Basketball

2015 - 2016

- Developed excellent time management, balancing a full course load with over 25 hours of basketball commitment per week.
- Cultivated teamwork and leadership skills while building a strong work ethic.