

Derek Howard

howderek.com

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github.com/howderek

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SUMMARY

I'm a bold thinker who approaches problems holistically. I ask the right questions to understand problems at a deeper level so I can deliver projects that exceed the expectations of the client. My strongest passions are science and photography, and I'm eager to learn about new fields. I thrive in fast-paced and multidisciplinary settings.

Primary skills JavaScript (full-stack), C, C++, CSS/LESS/Stylus, HTML5, Linux, Photography, Python

Exposure skills Apache Spark, Bash, Docker, Go, Java, Machine Learning, QT, Sketch, SQL, Swift, WordPress

EXPERIENCE

University of Missouri - College of Engineering

Research Assistant

Columbia, Missouri

2016 - Present

- Researched open source communities and developed metrics that describe their health
- Designed an architecture that allows for fast implementation of Pandas analyses into a Flask API

Mizzou K-12

JavaScript Developer

Columbia, Missouri

2015 - Present

- Improved teacher collaboration by developing a real-time web application to coordinate grading
- Trained coworkers on version control systems, enabling better productivity
- Created system to protect confidential test questions within a 5-day deadline

University of Missouri - MU College of Agriculture, Food, and Natural Resources (CAFNR)

Web Intern, later Research Assistant

Columbia, Missouri

2013 - 2017

- Managed web presence, performing updates to our static sites as needed
- Improved deployment process, saving 30 minutes per day of developer time
- Created front-end of tool to provide foresters with information about nearby trees

Derek Howard, LLC

Owner

- Cleaned Harrisburg Schools' WordPress site after an attack and found evidence of the previous developer's negligence, argued on behalf of the school when we successfully negotiated a refund
- Photographed portraiture and wedding clients. Photography portfolio: <http://derekhoward.me/>

EDUCATION

Sophomore at University of Missouri

Computer Science

Columbia, Missouri

Class of 2020

- Member of the Honors College as a Show-Me Scholar