


Derek Foley

Software Developer

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BIO

I am a geologist turned software developer, seeking a junior developer position. I am eager to learn in a team environment having self-taught using online tutorials and by building my own projects, focusing on full-stack web and app development. Check derekfoley.com for a list of some of my work.

PROJECTS

derekfoley.com — *HTML, CSS, javascript, bootstrap, ejs, node.js*

“Four in a row” — *Flutter/Dart*

I made the common game four in a row for mobile.

Pooper — *Flutter/Dart, Assorted Google API, Firebase*

Finds and navigates to local bathrooms based on Google Maps and location data

WORK EXPERIENCE

Gilson Company, Lewis Center OH — *Support Engineer*

2018 - 2019

- Supported sales and customers with technical problems related to materials testing equipment and methods
- Reviewed and advised on ASTM, AASHTO, and ISO methods

Ohio Geological Survey, Columbus OH — *Geologist*

2017 - 2018

- Utilized applications such as ArcGIS and Petra to researched and mapped critical formations for groundwater and oil and gas in Ohio
- Presented research and gave educational talks about Ohio geology to government and industry professionals

SEMCAL, Columbus OH — *Research Assistant*

2014 - 2016

- Characterized micro and nano structure, mineralogy, and geochemistry in gas producing black shales.
- Designed experiments using numerous laboratory methods and analytical techniques

STACK EXPERIENCE

Front End:
HTML, CSS,
Javascript,
Bootstrap, jQuery

Back End:
Node.js, EJS

Database:
MySQL, MongoDB,
Mongoose

Mobile:
Flutter/Dart

EDUCATION

The Ohio State University,
Columbus OH — *Geology*
M.S.

2014 - 2016

Thesis entitled “Analysis of the Point Pleasant/Lexington/Trenton Formations: Sulfides, Mineralogy, and Trace Elements as Geochemical Proxies.”

The Ohio State University,
Columbus OH — *Political Science and Geological Science*
B.A.

2008 - 2012

Honors Research Distinction,
Thesis entitled “Why States Fail”