David Purdum

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https://rutrum.net
https://github.com/rutrum

Experience

Data Scientist
Eli Lilly and Company

June 2020 – Present
Support internal search application by communicating between product owners, users, and developers. Automate manual document retrieval for medical science liaisons using natural language processing. Use Google analytics for tracking site usage and reporting data to the business.

Developer
Eli Lilly and Company

Summer 2019
Wrote image processing scripts in Python for optical character recognition. Trained machine learning models for image classification. Metadata extracted from images are indexed in an internal search engine.

Software Engineer
Ontario Systems

Summer 2018
Wrote tests and fixed bugs on accounts receivable software. Worked with legacy code and practiced Kanban. Utilized virtual machines for testing environments.

XTern Bootcamp
Techpoint

June 2017
Learned front end web development using React in a three week camp.

Skills

Proficient

Rust · Python · JavaScript · Node.js

Familiar

C++ · Java · R · C# · React.js

Technologies

Linux · Git · Tensorflow · MySQL · Docker · Google Analytics

Projects

Typesync

typesync.rutrum.net
Published typing test React app with Python backend. Started as a hackathon project with two peers. Later individually rewritten in Rust and hosted on personal site.

Convert Case

crates.io/crates/convert_case
Created a command-line utility and Rust library for converting strings to and from various cases. Created test suite and documented the open-source API.

GuideDawg

Designed an API to communicate between MySQL database and Xamarin mobile application. GuideDawg allows those with visual impairments to navigate Butler's campus.

Healthy Horizons

Developed full-stack Node.js site for Butler University's Healthy Horizons program. Allows users to submit weekly wellness habits and administrators to monitor those submissions.

Education

Master of Science
Indiana University

Expected May 2022
Data Science Program

Bachelor of Science
Butler University

Graduated May 2020
Mathematics Major · Computer Science Major · Statistics Major
Data Science Minor