David Purdum

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Experience

Data Scientist
Eli Lilly and Company

June 2020 – Present
Will begin work in June 2020.

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.

Computational Research
Butler University

February 2018 – Present
Implemented and analyzed algorithms for computing the number of distinct integers in the n by n multiplication table. Presented poster at the Algorithmic Number Theory Symposium (ANTS XIII) in July 2018 with Dr. Jonathan Webster.

XTern Bootcamp
Techpoint

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

Skills

Proficient

Rust · C++ · Python · JavaScript · Node.js

Familiar

Java · R · C# · React.js

Technologies

Linux · Github · Tensorflow · MySQL · Open MPI

Projects

Healthy Horizons

Developing 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.

GuideDawg

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

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.

Education

Bachelor's of Science
Butler University

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