

David Purdum

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Experience

Data Scientist Eli Lilly and Company	<i>June 2020 – Present</i> Will begin work in June 2020.
Developer Eli Lilly and Company	<i>Summer 2019</i> 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	<i>Summer 2018</i> 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	<i>February 2018 – Present</i> 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	<i>June 2017</i> 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 Azure 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	<i>Graduated May 2020</i> Mathematics Major · Computer Science Major · Statistics Major Data Science Minor
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