

# David Purdum

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## Experience

<b>Data Scientist</b> Eli Lilly and Company	<i>June 2020 – Present</i> Will begin work in June 2020.
<b>Developer</b> 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.
<b>Software Engineer</b> Ontario Systems	<i>Summer 2018</i> Wrote tests and fixed bugs on accounts receivable software. Worked with legacy code and practiced Kanban. Implemented virtual machines for testing environments.
<b>Computational Research</b> 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.
<b>XTern Bootcamp</b> Techpoint	<i>June 2017</i> Learned front end web development using React in a three week camp.

## Skills

<b>Proficient</b>	Rust · C++ · Python · JavaScript · Node.js
<b>Familiar</b>	Java · R · C# · React.js
<b>Technologies</b>	Linux · Github · Tensorflow · MySQL · Open MPI

## Projects

<b>Healthy Horizons</b>	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.
<b>GuideDawg</b>	Designing an API to communicate between Azure database and Xamarin mobile application. GuideDawg allows those with visual impairments to navigate Butler's campus.
<b>Convert Case</b>	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

<b>Bachelor's of Science</b> Butler University	<i>Graduated May 2020</i> Mathematics Major · Computer Science Major · Statistics Major Data Science Minor
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