

# Austin Burnett

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## TECHNICAL SKILLS

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**Languages:** C/C++, JavaScript, Python

**Technologies and Tools:** Git, NodeJS, ExpressJS, Flask, Azure (Blob Storage, Devops), MongoDB, PostgreSQL, Postman, Mongoose, Libsync, WiX Toolset

## EXPERIENCE

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### Software Developer Intern | C++

June 2021 – Sept. 2021

*Bitwerx, Inc.*

*Lexington, KY*

- Developer in data extraction/data migration Agile Scrum team.
- Reduced time for generating deltas with Azure blob storage by implementing libsync Streaming API, leading to a 10% reduction in data migrations time.
- Solely developed and designed Microsoft installer for product installation, reducing downtime for devops team.
- Designed an algorithm to parse connection strings from configuration files.
- Eliminated the creation of unnecessary database partition files during data extraction by converting data files to streams, which led to a more secure extraction.
- Wrote C++ code that affected Veterinary practices across the United States.
- Managed workflow using Microsoft Azure DevOps.

### Backend Developer(Open Source) | Python

May 2021

*couchers.org*

- Created unit test using pytest.
- Utilized feature branching in my git contribution workflow.
- Contributed a feature using flask and couchers's internal api to notify user when their friend request was accepted.
- Undergo Software development life cycle of my feature.

## PROJECTS

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### Instagram Backend | Javascript

- Utilized asynchronous programming to improve speed and scalability of web-app.
- Designed and tested RESTful api using Postman.
- Authorization using Bearer token and JWT.
- Authentication using Password Hashing and Verification with argon2id.
- Created data models using Mongoose ODM (Object Document Mapping) for MongoDB and MongoDB Compass.

### Corgi Prediction ML Project, UKY | Python

- Implemented a CNN (convolutional neural networks) using PyTorch.
- Performed binary classification on Corgi images: determining whether the breed was Pembroke or Cardigan.

## EDUCATION

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### University of Kentucky

December 2022

*Bachelor's in Computer Science*

### BSCTC Community College

2019

*Associate's in Science*

## RELEVANT COURSES

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Databases, Algorithms & Data Structures, Systems Programming, Data Science, Web Programming, Machine Learning, Intro to Computer Networking, Algorithm Design, Artificial Intelligence, Software Engineering Techniques