Austin Burnett

aburn1011@gmail.com | austinburnett.dev | linkedin.com/in/austin-burnett-51249a183 | github.com/austinburnett |

TECHNICAL SKILLS

Languages: C/C++, JavaScript, Python
Technologies and Tools: Git, NodeJS, ExpressJS, Flask, Azure (Blob Storage, Devops), MongoDB, PostgreSQL, Postman, Mongoose, Librsync, WiX Toolset, Http/Https, Docker, MongoDB Compass

EXPERIENCE

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 librsync 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

Instagram Backend | Javascript, Docker, REST

- Utilized asynchronous programming to improve speed and scalability of web-app.
- Built Developement enviroment using Docker Compose.
- 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

University of Kentucky   December 2022
Bachelor's in Computer Science

BSCTC Community College   May 2019
Associate's in Science

RELEVANT COURSES

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