

Austin Burnett

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

TECHNICAL SKILLS

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

Databases: MongoDB, PostgreSQL

Tools and Technologies: Git, Docker, NodeJS, ExpressJS, Flask, AWS (Lambda, CodeBuild, CloudWatch), Azure (Blob Storage, DevOps), Postman, Mongoose, MongoDB Compass, jest

Industry Knowledge: Unit Testing, API Development, Agile Methodologies, Http, Unix / Linux, Faas

EXPERIENCE

Software Developer Intern | C++

June 2021 – Sept. 2021

Bitwerx, Inc.

Lexington, KY

- Developer in data migration Agile/Scrum team.
- Reduced time for data extractions by refactoring the codebase, leading to a 20% reduction in data migration time.
- Solely developed and designed Microsoft installer for product installation, reducing virtual machine provisioning time for devops team.
- Designed an algorithm to parse database configuration files to establish database connection.
- Manage and complete work items using Microsoft Azure DevOps.
- Discussed tasks in daily Scrum stand-ups and participated in team-building exercises.

Backend Developer, Open Source | Python

May 2021

couchers.org

- Volunteer Backend Developer. Primarily worked with Python and Flask.
- Contributed unit tests using pytest.
- Utilized feature branch workflow in git to enable faster code approvals and integration.
- Contributed a feature using flask and couchers's internal api to notify user when their friend request was accepted.
- This is a user-facing feature which is available to over 25,000 users internationally.

Undergrad Computer Science Research Assistant

March 2020 – May 2021

University of Kentucky

Lexington, KY

- Backend-oriented Developer, mainly working with Django and Python.
- Presented at University of Kentucky E-day to over 3,000 attendees.
- Regular Peer-Code Reviews.

PROJECTS

Serverless Web API | Javascript

2023

- Scalable backend for a web application using AWS Lambda and asynchronous code.
- Deploy RESTful API with AWS API Gateway.
- Continuous Integration(CI) using Github webhooks and AWS CodeBuild.
- Built local Development environment using Docker Compose.
- Designed and tested RESTful API using Postman and ExpressJS.
- Unit test code using jest to improve code quality.
- Secured API using Bearer Authentication/Authorization with JWT(Json Web Token).
- Created data models using Mongoose ODM and MongoDB Compass.

Corgi Prediction | Python

2022

- Machine Learning project at University of Kentucky.
- 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