
EDUCATION

Lexington, KY	University of Kentucky	Aug. 2019 –
May 2023		
<ul style="list-style-type: none">• Major: Computer Science, B.S. (GPA: 4.0)• Programming Coursework: Programming in Java, Programming in C/C++		

EMPLOYMENT

Technical Developer	University of Kentucky	May 2019 –
Present		
Department of Communication (www.comm.uky.edu)		
<ul style="list-style-type: none">• Improved faculty data comprehension by creating a data visualization web app in PHP, JavaScript and SQL• Automated job search process by using Python to parse new applicants, saving 2 hours daily• Revitalized the department website to new 2019 standards using Drupal 8, PHP, and Web Design Skills• <u>Leveraged Knowledge</u> of Git, MacOS/Linux, MVC Architecture, Web Debugging, Programing in Python, PHP, and JavaScript, Web Design Fundamentals, Data Pipelines, Data Visualizations.		

Bioinformatics Research Assistant	University of Kentucky	Aug. 2018 –
Dec. 2018		
<ul style="list-style-type: none">• Reduced dependency on legacy-based platforms by integrating Linux Fedora 28 into the lab infrastructure• Spearheaded the development of a python implementation of the open source software “BioFabric”• Used Python to analyze many sample genome datasets and visualize them using BioFabric• <u>Leveraged Knowledge</u> of Git, Linux Systems, Python, Java, System Design, Data Science, Debugging, and Visualization.		

Web Developer	Change Force Corporation	Oct. 2017 –
May 2018		
<ul style="list-style-type: none">• Built the first company website using WordPress, PHP, and Web Design Skills• Maintained content for the website using a Content Management System• Lead the technical side of the development team, keeping constant content goals and educating staff• <u>Leveraged Knowledge</u> of WordPress, HTML, CSS, PHP, Content Management Systems, and Project Management		

SOFTWARE PROJECTS

Personal Website: www.brennengreen.dev

- Built an easy to navigate one-page design using React, JavaScript, and HTML/CSS
- Used ExpressJS and NodeJS to create backend and user authentication
- Utilized: ExpressJS, Node.js, ReactJS, JavaScript, HTML / CSS, Web Design

GoList (Craigslist Web Scraper in Go):

- Implemented a web scraper that scrapes posting data from a craigslist category
- Used Golang's PostgreSQL implementation to categorize all postings in a SQL database
- Maintained an active server for utilizing the web scraper and database using Heroku
- Used Twilio to notify me whenever an item is posted for less than the average price of similar items
- Utilized: Algorithms, SQL / PostgreSQL, Databases, Heroku, Twilio, Go / GoLang, and Web Scraping

Ditto (Discord Media Bot Written in Python)

- Used Python to design the backend to safely access the bot's file structure and store/access media files
- Used Heroku to properly sense when the bot is in use as to save time and money when hosting the bot

108 Erica Drive
Georgetown, KY
www.github.com/brennengreen

BRENNEN GREEN

+1 (859) 312-0852
brennengreen@uky.edu
www.brennengreen.dev

- Administrated the version control over the bot to promote proper and safe collaboration amongst the team
- Utilized: UNIX File System, Python, Heroku, Git Version Control, Project Management

SKILLS

- **Software:**
 - o (*proficient*): JavaScript, Python, PHP, Linux, MacOS, Go / GoLang, HTML / CSS, Git, Systems Design
 - o (*familiar*): C / C++, Java, Data Visualization, Unreal Engine 4, Data Pipelines, Graphics Programming