

Brian Riendeau

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EDUCATION

Ursinus College

Graduated December 2022

Bachelor of Science in Physics

Collegeville, PA

- Sigma Pi Sigma - Physics Honor Society
- Conducted cosmic ray muon research for over a year and wrote the research paper for the upcoming teaching faculty.
 - Managed and conducted experiments with data analysis performed in python and scientific papers written in LaTeX.
 - Operated sensitive cosmic ray particle detection systems, oscilloscope, and detectors for over a year.

Columbus State College

2018 – 2020

Associates Degree of Science

Columbus, OH

WORK EXPERIENCE / PROJECTS

briendeau.github.io/Portfolio2022/

Upwork / Freelancer

Current

Front-end Web Developer

- Currently working on freelance website services doing front-end software engineering jobs until I land a position at a local business. I also perform data-analysis freelance work in python using scientific libraries.

Blue Cloud Consultants

No. 2019 – Feb. 2020

Helpdesk Support

Temple, PA

- As a technical support consultant, I managed a help-desk ticketing system and resolved hundreds of customers problems in-person and remotely. This involved using a wide range of problem-solving abilities depending on the severity of the issue. My primary goal was to keep our customers satisfied by ensuring their systems were always safely operational and were always able to reach me when they encountered issues in their networks.
- Scheduling in-person support, remote desktop protocol services (RDP), and in-person network setups. Occasionally, I would prebuild computers to be delivered that were complete with our support software.

Transportation Research Center Inc.

Jan. 2016 – Nov. 2019

Test Driver

East Liberty, OH

- I performed daily testing operations including complete vehicle inspections and written reports while following a data-sheet full of complex procedures that varied depending on the vehicle and schedule.

Software Projects

Latest Projects

- Face detection Artificial Intelligence App – A full-stack web application using React, JS, Node.js, Express, Heroku, and the Clarifai API. Used modern functional components and hooks.
- ChatGPT Web application using state of the art API technology. A fully implemented AI system.
- Voting Application using React JS, emphasis placed on advanced class-based components.
- Data analysis research on cosmic ray muons using advanced statistics and calculus written in python using scientific libraries such as NumPy, SciPy, matplotlib, and pandas.
- Web browser and server built using python, demonstrates a strong understanding of networking.

SKILLS / INTERESTS

- **Skills:** Python, Java, JavaScript, React, HTML & CSS3, TypeScript, Physics, Mathematics, Office\Excel, Operating Systems, Mathematica, Virtual Machines, Arduino, Data Analysis, Django, Node.js, basic C & C++, Angular, PHP, Git, GitHub, Unity, Digital Electronics, Windows, Mac, Linux, UI/UX Design, SEO, IT Security, MongoDB, PostgreSQL, MySQL, Express, Heroku, AWS, Next.js, network engineering, ChatGPT, OpenAI API.