Paul Salminen

Astrophysics + Computer Science

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+OBJECTIVE

Recent graduate seeking to apply skills in mathematics, data science and computer programming to a position that will provide challenges and an inviting environment

+ EDUCATION

2012 – May 2016
University of Colorado – Boulder

Joined CU Boulder as an astrophysics major to learn the mathematics, statistical analysis, and computer programming skills needed to understand the workings of our universe through the lens of scientific inquiry and research. This major required the development of critical thinking, data analysis, and complex system skills, which led to an interest in computer science as well. Current coursework includes data mining, and astronomical observation and data reduction.

- Astrophysics major
- Computer Science minor
- Experience working on multiple group projects simultaneously
- Currently collaborating on a class project that implements a deep neural network for rare feature detection on atomic force microspopy data

+ EXPERIENCES

2015 – Present
Gingr, LLC

Gingr is a pet-loving SaaS startup based in Boulder. They're taking the professional pet services world by storm, enabling businesses of all sizes to run this unique type of business effectively. My work as a part-time contractor enhances the startup's success by assisting the minimal development team when they cannot accomplish project's alone.

- Wrote batch scripts to asynchronously process data
- Tightly integrated the subscription billing system with the application
- Performed video transcoding & CDN management tasks

2015 - Present
Sustainability2020

Sustainability2020 is a new green campaign created in the summer of 2015. The heart of the project is a web-based quiz I developed that asks users about how eco-friendly their homes are. Our project is currently a semi-finalist in Climate CoLab, an MIT sponsored contest supporting nonprofits that raise environmental sustainability.

- Built ReactJS quiz page with an SQL relational database for quiz results
- Contructed Wordpress CMS webpage
- Collaborate with team on creating new ideas for the project

2014 – 2015
Visionlink, Inc.

Visionlink, a web development company in Boulder, uses their CommunityOS product to aide humanitarian organizations in saving and sharing information.The Red Cross is one of their biggest clients. As a part-time help desk analyst, I was able to assist volunteers in the field with any issues they experienced. I also gained real-world exposure to the agile development methodology.

- Assisted users with website relate issues and queries
- Investigated bugs reported by users

+ RELEVANT SKILLS

Software Engineering

- Proficient: Python, C++, Linux, CSS, HTML, Git, Microsoft Office
- Knowledgeable: R, SQL, PHP, ReactJS, Java

Mathematics

- Statistics, Linear Algebra, Calculus, Differential Equations

+ REFERENCES AVAILABLE UPON REQUEST