

Paul Salminen

Astrophysics + Computer Science

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+OBJECTIVE

Recent graduate seeking to apply skills in mathematics and software engineering to a position that will provide challenges and an inviting environment

+ EDUCATION

Graduated 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. Completed coursework includes data mining, and astronomical observation and data reduction.

- Astrophysics major, Computer Science minor
- Experience working on multiple group projects simultaneously
- Completed big data projects, including one utilizing different machine learning methods for rare feature detection on atomic force microscopy data

+ EXPERIENCES

2015 – Present
Gingr, LLC
Gingr is a pet services SaaS startup based in Boulder. They're taking the professional pet-services world by storm, enabling businesses of all sizes to run effectively in this unique field. My work as a part-time contractor is to assist the minimal development team during crunch periods, aiding in their success.

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

2015
Sustainability2020
Sustainability2020 is a green campaign created in the summer of 2015. The heart of the project is a web-based quiz which asks users how eco-friendly their homes are. My role was to bring the quiz to life using web-design principles and to create an intuitive interface.

- Built ReactJS quiz page with an SQL relational database for quiz results
- Constructed Wordpress CMS webpage
- Collaborated 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 sharing information. The Red Cross is one of their biggest clients. As a part-time help desk analyst, I assisted volunteers in the field with any issues they experienced, learned to operate Zendesk, and gained real-world exposure to the agile development methodology.

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

+ RELEVANT SKILLS

Software Engineering

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

Mathematics

- Statistics, Linear Algebra, Calculus, Differential Equations

+ REFERENCES AVAILABLE UPON REQUEST