Christian Lorenzen

Software Engineer

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Result focused full stack developer and financial analyst with a background in IT and electronic repair. Customer relations and product manage permeate all other aspects of work resulting in great customer experiences.

Education

2018-08 - 2022-05

Bachelor of Science: Computer Science

Purdue University - West Lafayette, IN

- GPA 3.59 (Overall) GPA 3.62 (Major)
- Concentrating in Computer Graphics and Visualization with Econ Minor
- Semester Honors/Dean's List: Fall 2018, Fall 2020, Spring 2021, Fall 2021

2014-08 - 2018-05

High School Diploma

William Henry Harrison High School - West Lafayette, IN

Work History

2021-01 - Current

Full Stack Developer and Financial Analyst

Superbrain Securities, West Lafayette, Indiana

- Collected large data sets to be used for stock analysis and trend identification.
- Created and implemented dozens of stock financial forecasting algorithms using classical techniques and machine learning resulting in monthly gains in excess of 5%.
- Created full stack web application which focused on consumer experience.
- Used Matlab and Python for optical imaging techniques.
- Contributed creative and engineering oversight for machine learning based playwriting.

2017-06 - 2020-12

Electronic Repair Technician and Salesman

Lafayette Electronic Supply, Lafayette, IN

- Worked with customers to evaluate and diagnose electrical issues in equipment
- Used Python to map all 15 thousand in store products to website friendly data formats
- Created automated inventory management system to interface with store website and alert of product changes saving thousands in software costs.

Projects

- Automated gardening system powered by an Arduino Nano. Extendable irrigation and sensor system powered fully through renewable energy
- Randomly generated voxel based terrain system with biomes
- 3D worker management game with in game economy and upgrade system
- Discord automated notification system for stock trades made by specific users

Skills/Interests

Languages: Python, HTML, CSS, Javascript, React, SQL, Java, C, C++, C#

Community Service: Habitat for Humanity, Tippecanoe United Church Food Pantry

Interests: Kayaking, Gardening, Music, Game Development, Tinkering with Electronics