Vera Worri

Researcher/ Research Engineer

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https://vworri.github.io/
https://github.com/Vworri

Mission Statement

I am solutions focused. I love problem solving and building solutions that are robust and maintainable. When I endeavor to build a solution, I choose the best technology for the job and will take the time I have to get it done right!

EXPERIENCE

Gradient Zero, Herndon, V.A. — *sr Research Engineer*

08 2021 - PRESENT

Lead developer of the R&D department. Researched, designed, and developed prototypes for customers using various technologies.

Researched, scoped, and wrote project proposals that were accepted by the customer resulting in funding

signal processing, low level computation, audio processing, image processing, Golang, C/C++, Linux/ Android,

Radical Convergence, Reston, V.A. — *sr Research Engineer*

10 2019 - 08 2021

Main developer of the R&D department. Researched, designed, and developed prototypes for customers using various technologies.

Did research for project proposals

GUI development, signal processing, low level computation, audio processing, Golang

Kyrus Tech, Sterling, VA — *Research Engineer*

12 2018 - 10 2019

Reading through and understanding a large, legacy codebase.

Optimization of large quantities of data at a very low level with limited technical resources. Using very few external packages, I mostly worked on speeding up the ingestion process of a large amount of data.

I also helped implement an automated build system.

Designed and built an automated work pipeline to keep track of processes that needed to be done sequentially.

Python3, Docker, MongoDB, Flask, Hug

SOFT SKILLS

1.   Read and understand legacy code

2.   Design and plan out prototypes

3.   Leadership

4.   Task in sequence

5.   Communicates with customers

LANGUAGES

C\C++, Golang, C#\.Net Core, Bash, Python, Javascript, Typescript

Covenant Transportation Group, Chattanooga, TN
—Software Developer

06 2017 - 12 218

I build REST APIs in Go, .Net, .NetCore, Flask.

Wrote SQL for reporting, data service, data processing.

Wrote Angular FrontEnds

Deployed and maintained services in Docker containers.

Maintained Linux servers.

Supported business needs as they arose.

Built enterprise level applications for the purpose of selling services to more customers.

Docker, Golang, .Net, .NetCore, Python, SQL/PostgreSQL, C#, Bash

EDUCATION

Eckerd College, St.Petersburg, FL — *B.S. Physics / minor: Mandarin*

08 2010 - MONTH 2014

Majored in Physics and minored in Mandarin. Learned problem solving skills and gained computational experience.

PROJECTS

Eavesdrop — *Python/ tshark/ Ncurses*

Packet Sniffer that collects network data and parses through it.

(rewritten in Go here: https://github.com/Vworri/GoEavesDrop)

Onion Hash Solver— *Go*

Can create and solve onion hashes.

Compound Pendulum— *Python, QT*

Written in Python, this application has a GUI that takes in initial system parameters and models a pendulum with a magnet at the bottom of the movement.