

PETER PINTO

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Education

New Jersey Institute of Technology

Bachelor of Science in Computer Science

Fall 2019 – Spring 2023

City, State

Experience

General Atomics Intelligence

Senior Software Engineer / Project Technical Lead

June 2023 – Present

Charlottesville, Virginia

- Achieved success in primary project leading to a doubling in contract size year over year
- Acted as hiring manager and facilitated the doubling of the size of the team over the course of several months
- Defined and maintained agile processes to support customer needs
- Provided technical leadership to a team of 8 engineers including translation of customer requirements into feature epics and stories
- Coordinated cross-project initiatives and demonstrations leading to increased value delivered to customer

Main Library Alliance

System and Network Administrator

June 2021 – June 2023

Cedar Knolls, NJ

- Network administration of 40 library locations
- Develop and maintain web applications for library staff including the “Main Directors Portal”. Technologies used include SQL, Javascript, PHP and Wordpress
- Deployed and maintaining Azure resources and automated processes resulting in a reduction in maintenance time, more effective administration, minimal down times and a reduction in client assistance requests
- Provide top level help-desk support and eliminated ticket backlog by developing automated processes to deal with most common and time consuming issues

University of Rhode Island

AI/ML Research Assistant (Undergrad)

Summer 2019

Kingston, RI

- Assisted Graduate and Post-graduate researchers in developing, training and testing age estimation ML models
- Models were written in Tensorflow and trained on a university hosted GPU compute cluster

Projects

Automated Trading Bot Framework | *Rust, Kubernetes, AMQP*

October 2020

- Built a automated trading bot framework in Rust with LLM assistance to explore the capabilities of language models in large scope projects and find their limitations
- Deployed the framework to my personal K8s cluster and configured live data ingest

Self-hosted Kubernetes Cluster | *Kubernetes, Docker, Linux Administration*

November 2020

- All personal projects and code hosted through *.k8s.peterpinto.dev
- Hosted services include Gitea, Longhorn, Matrix, InfluxDB, RabbitMQ, SpacetimeDB, Neo4j, and personal projects hosted on the platform.

Project Manager for NJIT Capstone Project |

January 2021

- Planned and executed team based project in association with Visual Intelligence LLC. to study the effects of global warming and VPD.
- Interfaced with client to understand business need and define requirements.
- Managed scrum team of 4 people using the agile methodology to deliver code quickly resulting in on time successful completion of the project.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

Technical Skills

Languages: Rust, Java, C, C++, Python, SQL, Bash

Developer Tools: Zed, VS Code, Agentic AI,

Technologies/Frameworks: Springboot, Kubernetes, AI/ML, Docker, Linux, Git/GitHub, CI/CD

Skills: Devops, Distributed Systems, Parallel Computing

Leadership / Extracurricular

Eagle Scout

Earned 2015

BSA Troop 54, Liberty Corner NJ

- Served as assistant Scoutmaster until I left NJ in 2023