

Shriram Holla

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EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science, GPA: 3.9

September, 2019 – Present

- **Relevant Coursework:** Database Systems, Object Oriented Software Development, Algorithms, Data Structures and Data Management, Neural Networks, Probability, Machine Learning, Computer Security and Privacy
- **Scholarships and Academics:** President's Scholarship of Distinction, Upper-Year Term Distinction, Term Dean's Honours List (x3), Excellent Academic Standing (x6)

TECHNICAL SKILLS

Languages: Golang, Python, C, C++, Java, SQL

Frameworks: Postgres, gRPC, Spark, Splunk, Hadoop, Fluentd, Spring, Redshift

Developer Tools: Git, Docker, Kubernetes, AWS, Jenkins

Machine Learning: Pytorch, Scikit-learn, Pandas, Matplotlib

EXPERIENCE

Moveworks

May 2022 – August 2022

Software Engineering Intern

Toronto, ON, Mountain View, CA

- Spearheaded the design, development and launch of a centralized, **scalable**, customer-facing alerting system.
- Built a distributed **gRPC** service using **golang**, **postgres** for an alerting system, reducing resolve time by 30%.
- Developed POCs for the company-wide use of **orchestrator systems** such as **Temporal**, **Prefect** and **Dagster**.

Zynga

September 2021 – December 2021

Software Engineering Intern

Toronto, ON

- Spearheaded **EKS** migration of a service that monitors data loss and duplication using **Terraform** and **Fluentd**.
- Developed a custom **golang** package to enforce logging levels, reducing **AWS CloudWatch** costs by **55%**
- Built an **open-source** config driven service in **golang** to perform actions based on file changes on **S3**.
- Recovered **60,000+** data objects per hour by optimizing **Splunk** dashboard queries, boosting analysis reliability.

NCR

January 2021 – April 2021

Software Developer Intern

Waterloo, ON

- Built microservices using **Spring** to perform ATM transactions securely by integrating with backend databases.
- Leveraged **Docker** and **Helm** to refactor docker images on **Kubernetes** clusters hosted on GCP.
- Enhanced **API** endpoints by refactoring and optimising code repositories, improving overall efficiency by **60%**.

Freelance

April 2020 – December 2020

Software Developer

Waterloo, ON

- Digitized client's inventory management using **OpenCV**, boosting efficiency by **300%**, saving **\$10,000** monthly.
- Integrated a backend server with a web client using **React** to automate end-to-end workflow process.

PROJECTS

Few Shot Learning | *Pytorch, Pandas*

April 2022

- Built a **five-shot** object detection model for 26 household items, achieving a final accuracy of **94%**
- Researched and Implemented novel ML models such as **Prototypical Networks** and **Siamese Networks**

Mental Illness Diagnosis | *Scikit-learn, Pandas, Matplotlib*

May 2021

- Analysed a dataset with over 100,000 rows to predict the onset of mental illness caused by substance abuse using a **Logistic Regression** model, reducing diagnosis time by **2 hours**.
- Winner of '**Best Insight**' at UW Datafest, hosted by the **American Statistical Association**.

Ardor | *OpenCV, Django, GCP*

February 2020

- Created a web application using **Django** that dynamically generates media recommendations based on facial emotions captured in real time and interpreted using **sentiment analysis**.
- Leveraged **OpenCV** for image/video processing and **Google Cloud's Vision API** to obtain emotion data.
- Placed in the **Top 10** out of 500+ participants and 100+ teams at Hack The Valley, University of Toronto.