

Evan Chopra

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Education

San Jose State University, San Jose, CA

August 2020 - Present

- *Masters of Science in Computer Science*. Expected Summer 2022.

University of California, Santa Cruz, Santa Cruz, CA

September 2017- June 2020

- *Bachelor of Science in Computer Science*. GPA 3.38

Experience

Lockheed Martin Space, Sunnyvale, CA— Software Engineer Associate

June 2020 - Present

Responsibilities

- Created and organized many infrastructure and programming projects for several teams.
- Deployed mission essential technologies on important United States Space Force assets.

Key Accomplishments

- Orchestrated a switch from a paid software service to an open source version saving my department thousands of dollars.
- Adapted legacy systems to use a modern technology stack.

RStor, Saratoga— Software Engineer and Software Engineering Intern

April 2019 - May 2020

Responsibilities

- Led a team of 6 software interns to construct a container deployment system, using **Docker**, allowing workloads to be run agnostically across various public CSPs, manipulating the various CSP's and their APIs.
- Developed and maintained the deployment backend for the container system. Prototyped in Python and refactored in Golang to ensure production grade performance.

Key Accomplishments

- The workloads were run on various compute resources, allowing customers to drastically cut their cloud computing costs by up to 90%.
- Adapted this system from an idea to a real system in under 6 weeks with very little oversight.

Research

Environmental Research Assistant, University of California, Santa Cruz, Santa Cruz, CA

October 2018 - November 2019

- Built a compost model to test a new legislative measure created in California to regulate distribution.
- Worked in a team of two and used Matlab to create an algorithm that simulates and optimizes compost distribution across California.

Programming Languages and Tools

C/C++, Golang, Python, Java, Elixir, Docker, PostgreSQL, S3, Cowboy-elixir, Nerves(Elixir), Hadoop, Singularity, Flask, Azure Cli, AWS Cli, boto3, Golang SDK for AWS, GCP, and Azure, Linux, Unix.

Projects

Laundry Monitor (BETA)- *Creating a way to monitor laundry machines status for students at UCSC*

- Created in Golang to develop a robust and fast full stack application using Bootstrap,gorilla/mux, go-rpio and PostgreSQL.
- Used Raspberry Pis to monitor laundry machine vibrations in order to detect if they are occupied.