

# Swami Velamala

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## EDUCATION

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**University of Colorado Boulder**, Boulder CO

2023

*Bachelors of Science in Computer Science Engineering*

- Overall GPA: 3.39 Major GPA: 3.75
- Deans List Student
- Relevant Coursework Completed: Algorithms, Operating Systems, Network Systems, Computer Systems, Data Science, Statistics, Artificial Intelligence, Software Development, Big Data Architecture, Discrete Mathematics

**Colorado State University**, Fort Collins CO

*Masters in Computer Science (In progress)*

## WORK EXPERIENCE

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**Intern, Dynatrace**

May 2023 – August 2023

- Learned and deployed modern cloud architectures on platforms like AWS, GCP, Kubernetes
- Deployed and configured cloud observability software in cloud environments
- Helped Dynatrace customers with software integration and deployments
- Worked towards Kubernetes Admin Certificate

**Resident Advisor, University of Colorado Boulder**

Sep. 2019 – May 2023

- Worked and communicated in professional and casual settings with multiple RA staffs
- Helped keep residents safe through education and mentorship
- Provided safe spaces for residents
- Provided mentorship and academic advice

**Wood Shop Supervisor, University of Colorado Boulder**

Jan. 2023 – May 2023

- Helped students develop complex schematics for projects
- Guided students towards safe and smart wood shop practices
- Built a variety of projects from scratch including guitars and ukuleles
- Enforced safety protocols

**Raft Guide, WhiteWater Rafting LLC**

May. 2022 – Sep. 2022

- Provided customer oriented service
- Made safety decisions in order to keep me and my crew safe
- Talked and connecting with visitors from all over the world

## SKILLS

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- Multilingual English, French
- Programming Languages: C, C++, Python, Javascript
- Databases: SQL, PostgreSQL, NoSQL
- Cloud Technology: AWS, GCP, Kubernetes, Docker
- Development: git, Github, Jira, Trello, CI/CD, Agile, Scrum
- Computer Skills: Linux Systems, Bash, Vim, VmWare, Mac Systems, Software Troubleshooting, Network Technology, TCP/IP, OSI Model, SSH

### Current and Past Projects

- Full stack musical attribute trend analysis app using React, Flask, MongoDB, Spotify API on GCP
- Writing Web Servers and Proxies in C using UNIX sockets
- Shoulder Ultrasound Semantic Segmentation Machine Learning using Keras and the YOLOv4 model
- C++ Scrabble game with GUI using qtCreator

### About Me

- I love to raft, whitewater raft, skateboard and bike. I also play piano and guitar in my free time.

