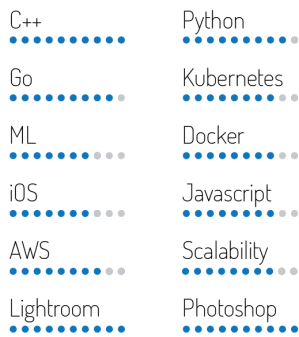# SAMAST VARMA
STUDENT

CONTACT

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LinkedIn /samast

GitHub /samastv

Website samast.me

EDUCATION

University of Michigan (Ann Arbor, MI)
December 2020
Computer Science
College of Engineering
GPA 3.56/4.00

SKILLS

C++	Python
Go	Kubernetes
ML	Docker
iOS	Javascript
AWS	Scalability
Lightroom	Photoshop

HONORS

Eagle Scout
April 2014
Planned and implemented Eagle Project by building a retaining wall that addressed erosion on trails and achieved the highest rank of Scouting.

University Honors, Dean's List
Dec 2017, Apr 2019, Dec 2019, Apr 2020
Recognized for academic standing, determined by high GPA and course credits.

RELEVANT COURSEWORK

Machine Learning

Operating Systems

Web Systems and Databases

Data Structures and Algorithms

EXPERIENCE

Software Engineer Intern @ Salesforce (Remote)
May 2020 > August 2020
• Supported Heroku Runtime Control Plane Evergreen team toward goal of Functions-as-a-Service
• Spent duration of internship working on replacement for Knative Serving component in Go
• Implemented new controllers and reconcilers for CRDs and spearheaded development of NGINX Ingress HTTP and HTTPS integration
• Developed several functional tests to run within Kubernetes EKS clusters and worked closely with Open Policy Agent and Kubernetes Admission Control in Rego

Software Engineer Intern @ Salesforce (San Francisco, CA)
May 2019 > August 2019
• Collaborated with Heroku Runtime team to develop security vulnerability scanner for internal service Docker images using Go and various open source libraries, such as Clair
• Utilized Slack API to deliver daily digest of high-severity actionable vulnerabilities to engineers along with potential solutions
• Deployed services and job to Kubernetes cluster to easily scale and preserve uptime

Mobile Developer @ U of M Division of Public Safety and Security (Ann Arbor, MI)
Sep 2017 > May 2019
• Targeted issue of lacking UI and low user count of iOS application by redesigning and overhauling using Swift
• Added responsiveness and features like image reporting
• Improved system's backend routing for scalability

Software Engineering Intern @ Yantra Inc. (Santa Clara, CA)
May 2018 > July 2018
• Solved issue of inconsistency between e-commerce stores and business data
• Developed integration, or two-sided bridge of data, between NetSuite and Shopify
• Integration syncs data regarding customers, orders, products, and fulfillments in real time

PROJECTS

Founder @ Pursu
April 2020 > Present
• Leading team of five students building a highly scalable web app through weekly Agile sprints
• Utilizes Gmail PubSub to automatically track recruiting pipelines, based on incoming emails, and offers features such as upcoming deadlines, easy network filtering, and leverageable insights
• Built with Flask, Pandas, and ML models implementing Bagging and Bayesian Networks and deployed using AWS EC2, ELB, RDS, and SageMaker

Co-Founder @ Sents (sents.dev)
April 2019 > Dec 2019
• Created and led team of three students
• Designed and implemented web tool to visualize correlation between stock price and sentiment, by scraping data from various forums and utilizing it in a machine learning model

Developer @ Cape Drive
June 2018
• Created integration with Javascript between Google Drive and thecape.ai
• Enabled users to ask questions about content of Drive documents, based on context and NLP

Founder @ Neighbor Ninja
May 2016 > Dec 2016
• Devised and built iOS application with Swift for improved crime awareness through preventative measures like reports based on geolocation
• Led team of peers and pivoted to target university campuses instead of communities