

AGAM KOHLI

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📍 Ann Arbor, MI

in [linkedin.com/in/agam-kohli](https://www.linkedin.com/in/agam-kohli)

🐙 github.com/agamkohli9

EDUCATION

University of Michigan

Bachelor of Science in Engineering

📅 August 2020 – April 2023

- Major in Computer Science
- 3.85 GPA
- Undergraduate Research Opportunity Program

EXPERIENCE

Software Engineer Intern

General Motors

📅 June 2021 – August 2021 📍 Detroit, MI

- Augmented vehicle emergency systems by optimizing the OnStar Activity Map webapp to allow easier and more intuitive access of emergency systems
- Wrote, tested, and debugged using **Java**, **JavaScript**, and **Chrome Developer Tools**
- Applied **Agile**, **Scrum**, and pair programming methodologies
- Leveraged **Maven** for backend build automation and **WebLogic** for webapp deployment

Computer Science Researcher

University of Michigan Biomedical & Clinical Informatics Lab

📅 Sep. 2020 – April 2021 📍 Ann Arbor, MI

- Project: Image Processing for Detecting Pancreas
- Paid research under Dr. Soroushmehr on behalf of UROP (Undergraduate Research Opportunity Program)
- Developed **Image Processing** software to analyze abdominal CT scans for segmenting the pancreas using **Machine Learning** in **MATLAB**.
- Achieved Dice-Sørensen Similarity Coefficient of 54.33% using U-NET Convolutional Neural Network

M-STEM Student Council

University of Michigan

📅 August 2020 - PRESENT

- Furthered engineering capabilities with math and programming courses in Michigan's Learning Community M-STEM.
- Member of Student Council where we host service, social, and academic events

PROJECTS

CSGO Economy Calculator

🐙 github.com/agamkohli9/csgo-economy-calculator.git

- Implemented **K Nearest Neighbor ML algorithm** from **Python** framework **Scikit-Learn** to predict optimal round type strategy given teams' economy in popular video game Counter Strike: Global Offensive.
- Model trained with CSV file containing statistics of 9420 professional rounds
- Average of 66.37% accuracy

PROGRAMMING SKILLS

Python

Java

C++

MATLAB

JavaScript

Linux

Bash

Git

Agile

Scrum

CERTIFICATIONS

SAFe 5.0 Practitioner

- Scaled Agile Framework team member responsible for using Scrum, Kanban, and Extreme Programming

COURSEWORK

Data Structures

Algorithms

Web Systems

Intro Machine Learning

Discrete Math

STRENGTHS

Teamwork



Worked in Agile teams, completing user stories by pair programming

Problem Solving



Furthered my coding skills by developing Open Source Software on GitHub