

Samarth Kishor

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EDUCATION

University of Virginia

B.A. Computer Science, Technology Entrepreneurship Minor

Expected: May 2021

Charlottesville, VA

· **Cumulative GPA:** 3.7

· **Relevant Coursework:** Algorithms, Operating Systems, Compilers, Programming Languages, Data Visualization

EXPERIENCE

Amazon Web Services

May 2020 – Current

Software Development Engineer Intern

Arlington, VA

- Extended an existing customer-facing AWS service by implementing a new serverless component in Python using Lambda, S3, and Dynamo.
- Service made heavy use of concurrency and parallelism to save customers time and compute resources, and to improve performance of the existing process by over 200%.
- Gained valuable experience in designing scalable systems and minimizing performance bottlenecks.

University of Virginia

Fall 2018 – Current

Head Teaching Assistant

Charlottesville, VA

- Implemented new course material as a Head TA for CS 4610 Programming Languages (Current).
- Worked as a TA for Discrete Mathematics (Fall 2018) and Theory of Computation (Fall 2019 – Spring 2020).

WizeHire Inc. (Startup)

May 2019 – August 2019

Software Engineering Intern

Remote

- Streamlined the billing management experience for hundreds of customers by building a user interface with React, Redux, and Django API endpoints.
- Improved third-party workflows by building a server-side engine in Django to automatically match jobs using regular expressions, saving the company's support team 10+ hours a week in manually matching this data.
- Increased test coverage by 10% using Selenium for test automation in the Jenkins CI/CD pipeline.

Capital One

May 2019

Capital One Software Engineering Summit Attendee

Richmond, VA

- Selected after a rigorous application process to attend a week long summit for undergraduate students.
- Learned valuable technologies including Machine Learning, iOS/Android app development, Arduino, and AWS in seminars

PROJECTS

OCamLox

January 2020 – April 2020

<https://github.com/samarthkishor/crafting-interpreters>

Personal Project

- Implemented an interpreter for a JavaScript-like programming language from the book *Crafting Interpreters*.
- The interpreter consists of a hand-rolled recursive-descent parser and tree-walking evaluator written in OCaml.

TriTag

September 2018

<https://devpost.com/software/tritag>

MedHacks

- Group won a Top Ten in Category Award out of hundreds of participants.
- Created a modern, digital approach to Triage involving an iPad app and an Arduino-based identifier.

LEADERSHIP

HooHacks

Fall 2018 – Current

External Relations Committee Co-Chair (Elected Position)

Charlottesville, VA

- Raised over \$15,000 for the 2020 hackathon by working directly with sponsors such as Capital One and CoStar.
- Coordinated workshops for 50+ students and served as a point-of-contact for sponsors during the 2019 hackathon.

University Salsa Club

Fall 2017 – Current

Choreographer

Charlottesville, VA

- Choreographed dances for the Fall 2018 and Spring 2020 Salsa Showcase.
- Performed for events in the Charlottesville community such as the Virginia Film Festival and Pancakes for Parkinson's.

SKILLS

Programming Languages

Proficient: Python, JavaScript, C++ *Familiar:* Java, OCaml, Julia, Clojure, Prolog

Tools & Technologies

AWS, Node.js, React, Django, MySQL, Selenium, Jenkins, Git, GNU/Linux

Human Languages

Fluent: English *Proficient:* Spanish, Hindi, Urdu *Familiar:* Japanese