Samarth Kishor

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EDUCATION

University of Virginia   Expected: May 2021
B.A. Computer Science, Technology Entrepreneurship Minor   *Charlottesville, VA*
- **Cumulative GPA:** 3.7
- **Relevant Coursework:** Algorithms, Programming Languages, Operating Systems, Data Visualization, Linear Algebra

EXPERIENCE

Amazon Web Services   May 2020 – Current
Software Engineering Intern   *Arlington, VA*

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

Impact Makers Inc.   Summer 2017 & Summer 2018
Software Engineering Intern   *Richmond, VA*
- Increased test coverage by 30% and enabled a CI pipeline by implementing an automated testing framework with Selenium for a production React web application hosted on AWS that was used by hundreds of clients in the healthcare industry.
- Improved documentation by 60% by producing internal IT security policies for the company's Microsoft Azure intranet.

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