

Samarth Kishor

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EDUCATION

University of Virginia

B.A. Computer Science, Technology Entrepreneurship Minor

Expected: May 2021

Charlottesville, VA

- **Cumulative GPA:** 3.6
- **Relevant Coursework:** Data Structures, Algorithms, Programming Languages, Operating Systems, Theory of Computation, Discrete Mathematics, Data Visualization, Linear Algebra

EXPERIENCE

University of Virginia

Undergraduate Teaching Assistant

Fall 2018 – Current

Charlottesville, VA

- Worked as a teaching assistant for Discrete Mathematics (Fall 2018) and Theory of Computation (Fall 2019 – Current).
- Improved students' understanding of proof techniques, computation, and propositional logic in office hours.

WizeHire Inc. (Startup)

Software Engineering Intern

May 2019 – August 2019

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

Capital One Software Engineering Summit Attendee

May 2019

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.
- Implemented the React front-end of a full-stack ride sharing web application at the summit hackathon.

Impact Makers Inc.

Software Engineering Intern

Summer 2017 & Summer 2018

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

Lox Interpreter

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

Winter 2020

Personal Project

- Implemented a tree-walking interpreter with a hand-rolled recursive-descent parser in OCaml for a Turing-Complete subset of the Lox programming language from the book *Crafting Interpreters*.

TriTag

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

September 2018

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

External Relations Committee Co-Chair (Elected Position)

Fall 2018 – Current

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

Choreographer

Fall 2017 – Current

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, Java *Familiar:* C++, OCaml, Prolog, Common Lisp

Tools & Technologies

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

Human Languages

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