

# KALEB GETACHEW

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Major: Computer Science and Statistics

## EDUCATION

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**B.S. COMPUTER SCIENCE**, University of Virginia, CS GPA: 3.7 Graduated: May 2022

**Core Courses:** Algorithms, Statistics, Program & Data Representation, Machine Learning, Statistical ML, Advanced Software Engineering, ML for Statistics, CyberSecurity, Computer Architecture, Discrete Math, Probability, Operating Systems, Computer Vision, Data Analysis, NLP, Databases

## SKILLS

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**Programming Languages:** Python, Java, Kotlin, C++, C, C#, JS, CSS, HTML, SQL, NoSQL, R, Lean, OCaml

**Technologies:** REST, Git, Spring Boot, ReactJS, Docker, Kubernetes, Temporal, Datadog, Mockito, Maven/Gradle

## PROFESSIONAL EXPERIENCE

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### SoFi - Invest Team

Seattle, WA

*Software Engineer*

Jul 2022 - Mar 2023

- Collaborated with co-workers in automating git CI/CD pipelines during a 2-week company-wide Hackathon
- Contributed with Invest team in developing Options Trading platform for web and mobile applications over 6 months
- Designed and implemented a new document-saving process, improving security and stability by 15%, benefiting thousands of users

### PayPal - World Ready Team

Remote

*Software Engineering Intern*

Jun 2021 - Sep 2021

- Focused on improving overall quality effect of PayPal sites from 77% to 90%
- Engineered and documented Polish language model APIs for in-house use, adhering to PayPal standard
- Co-authored, trained, and tested multiple Natural Language Generation models within 12-weeks using Python to personalize various PayPal web-pages

### PayPal - Collections Team

Remote

*Data Science Intern*

Jun 2021 - Sep 2021

- Identified top-performing variables from collections database influencing dialing volume to customers
- Finalized project using Tableau, and JupyterNotebooks to clearly, and accurately convey findings

## PROJECT EXPERIENCE

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### FitUVA <https://a-16.com>

Feb 2021 - May 2021

- Utilized industry services such as Heroku Cloud, Django, and Postgres
- Co-designed and co-developed a website to gamify fitness through tracking exercises, joining fitness groups, and awarding badges, achieving 95% user satisfaction

### Restaurant Recommender <https://rb.gy/b24c2>

Aug 2020 - Dec 2020

- Employed models such as: Random Forests, Logistical, Decision Tree, Adaboost, and Bagging Models
- Gathered and cleaned diverse, open-source, data containing 300+ entries across Virginia
- Collaborated with 3 others to write, train and test an ensemble of classifiers to recommend restaurants based on personal inputs, achieving 90% precision and accuracy

## LEADERSHIP

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**ColorStack - President:** Assembled 10 students to establish 1st ColorStack chapter at UVA, striving to increase entrance, retention and success of Black, Latinx, and Native American college students in computing.

## ORGANIZATIONS

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National Society of Black Engineers (NSBE)

Machine Learning Club

Chess Club

CyberSecurity and Networking Club (CNS)

Ethiopian-Eritrean Student Association (EESA)

Data Science Club