

Ekansh Vinaik

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EDUCATION

UNIVERSITY OF MARYLAND

BS in Computer Science

May 2020 | College Park, MD

Minor in Statistics

Computer Science Honors

Business Honors (QUEST)

Cum. GPA: 3.96 / 4.0

LINKS

Personal:// ekanshvinaik.com

GitHub:// [evinaik](https://github.com/evinaik)

LinkedIn:// [evinaik](https://www.linkedin.com/in/evinaik)

SKILLS

TECHNICAL

Proficient

Java • Python • Go • C

Familiar

Javascript • OCaml • Ruby

WebGL • Shell • \LaTeX

Technologies

Linux • Pandas • Git •

AWS Cloud Certification

COURSEWORK

Data Science

Machine Learning

Quantum Physics

Design and Quality

Systems Thinking

AWARDS

Capital One Software Engineering

Summit: Top 40 / 800

Deloitte Case Competition: 3rd place

Hoya Hacks: Best Internet-Sourced

App, Best Entrepreneurship App

President's Scholarship

Dean's List

ACTIVITIES

RedBlack Consulting

Kappa Theta Pi

QUEST Corporate

Design Team Mentor

MZZ Ventures

EXPERIENCE

CAPITAL ONE LABS | Software Engineering Intern

June 2018 – Aug 2018 | New York, NY

- Created a Go-based command line tool similar to Git to expedite pipeline usage with reduced errors
- Developed a framework in Groovy to trace pipeline stacks and perform dry runs for testing
- Abstracted low level Jenkins commands behind an API to enhance development workflows for engineers

AMAZON WEB SERVICES | Software Engineering Intern

Jan 2018 – Apr 2018 | Herndon, VA

- Detected performance inconsistencies (drift) and their root causes automatically across different AWS regions in 2700+ pipelines
- Designed a scalable system with Java to notify development teams of drift with latency measured in seconds
- Visualized drift in a reactive and live user interface designed to be accessible to anyone in the organization

CAPITAL ONE | Software Engineering Intern

Jun 2017 – Aug 2017 | Wilmington, DE

- Restructured enterprise servicing software with React.js and Node.js to improve startup speeds by 96% (30 minutes down to 60 seconds)
- Redesigned the software's secret management during the rewrite of an encryption library for customer IDs

UMD CS DEPARTMENT | Teaching Asst.

Aug 2018 – Present | College Park, MD

- Taught recitations and held office hours for Algorithms (CMSC351), a core course emphasizing algorithmic techniques and analysis

RESEARCH

MARYLAND BLENDED REALITY CENTER | Research Asst.

Jan 2018 – Present | College Park, MD

Worked with **Prof. Amitabh Varshney** to create a proof of concept WebGL based virtual reality player that supports 8K resolution. Determined medically proven biases in 1500+ police officers with virtual reality simulations.

SOLWAY LAB | Research Asst.

Jan 2018 – Aug 2018 | College Park, MD

Researched OCD's effect on decision-making and information processing with **Prof. Alec Solway** using a Javascript dot matrix experiment on AWS Turk.

PROJECTS

DISCOVER

Feb 2018 – Apr 2018

Led a team of five to prototype an interactive virtual reality application that mimics a famous memory technique ('method of loci').

POLITIGLOBE

Oct 2016 – Nov 2016

Built a globe in WebGL with geolocated tweets about political candidates with visualizations of follower counts and sentiment.