

# Ekansh Vinaik

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## EDUCATION

### UNIVERSITY OF MARYLAND

**BS IN COMPUTER SCIENCE**  
May 2020 | College Park, MD  
QUEST Business Honors  
Cum. GPA: 3.95 / 4.0

## LINKS

Personal:// [ekanshvinaik.com](http://ekanshvinaik.com)  
GitHub:// [evinaik](https://github.com/evinaik)  
LinkedIn:// [evinaik](https://www.linkedin.com/in/evinaik)

## SKILLS

### TECHNICAL

#### Proficient

Java • Python • C • Hack

#### Familiar

Javascript • CSS • PHP • OCaml  
Ruby • WebGL • Shell •  $\text{\LaTeX}$

#### Technologies

Linux • Pandas • Git  
Terraform • AWS • GCP

## COURSEWORK

Algorithms (*Teaching Asst.*)  
Computer Vision  
Concurrency  
Data Science  
Design and Quality  
Human Computer Interaction  
Machine Learning  
Quantum Physics  
Systems Thinking

## AWARDS

President's Scholarship  
Capital One Software Engineering  
Summit: Top 40 / 800  
Deloitte Case Competition: 3<sup>rd</sup> place  
Hoya Hacks: Best Internet-Sourced  
App, Best Entrepreneurship App

## ACTIVITIES

Anokha A Cappella (*President*)  
Kappa Theta Pi  
QUEST Corporate

## EXPERIENCE

### TWO SIGMA | SOFTWARE ENGINEERING INTERN

May 2019 – Aug 2019 | New York, NY

- Produced a reusable data science platform on Google Cloud with support for secure machine learning jobs running on clusters with 80+ machines
- Mirrored the data science environment from Amazon Web Services to Google Cloud to improve redundancy and introduce variety for modelers
- Collaborated with machine learning and modeling experts weekly to iterate on existing and new data science systems

### FACEBOOK | SOFTWARE ENGINEERING INTERN

Jan 2019 – Mar 2019 | Washington, D.C.

- Designed and released a robust interface for child safety investigators to report time sensitive incidents to law enforcement
- Optimized report times 90% (45 minutes down to 3-5 minutes) by gathering user data proactively and nearly eliminating manual information input
- Communicated with the National Center for Missing and Exploited Children (NCMEC) to efficiently and automatically prioritize reports

### CAPITAL ONE LABS | SOFTWARE ENGINEERING INTERN

June 2018 – Aug 2018 | New York, NY

- Developed a Groovy framework to trace and dry run deployments
- Automated Jenkins job transfer time between development and production servers by 50% and removed opportunities for human error

### 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
- Produced a scalable Java system to notify development teams of drift

## RESEARCH

### MARYLAND BLENDED REALITY CENTER | RESEARCH ASST.

Jan 2018 – Aug 2018 | College Park, MD

Worked with **Prof. Amitabh Varshney** to create a virtual reality player in WebGL that supports a software-based interpupillary distance adjustment. Determined medically proven biases in 1500+ police officers with virtual reality simulations.

### SOLWAY LAB | RESEARCH ASST.

Jan 2018 – May 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

### METRO VISUALIZATION

Aug 2018 – Nov 2018

Analyzed D.C. Metro ridership data over time interactively and released a D3.js based **visualization** on display at the Capital One Tech Incubator.

### DISCOVER

Feb 2018 – Apr 2018

Collaborated with a team of five to prototype and pitch an interactive virtual reality **website** that mimics a famous memory technique ('method of loci').