

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

SKILLS

TECHNICAL

Proficient

JavaScript • Java • Python
React

Familiar

C • CSS • Hack • PHP • OCaml
Ruby • WebGL • bash • \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: 3rd place
Hoya Hacks: Best Internet-Sourced
App, Best Entrepreneurship App

ACTIVITIES

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

EXPERIENCE

SKIO | FOUNDING SOFTWARE ENGINEER

Feb 2022 – Present | New York, NY

TWO SIGMA | SOFTWARE ENGINEER

Aug 2020 – Feb 2022 | New York, NY

- Built and productionalized Broadcast, a full stack site responsible for company-wide notifications that had over 265K views in 2021 and sent out 145K notifications, with less than a .02% error rate
- Improved the developer experience and toolkit by introducing Node.js as a novel technology stack, which required several security approvals and build step changes to be compatible with Two Sigma's internal monorepo ecosystem
- Led and served as tech lead and sole engineer for several high profile projects, including a system managing over 15,000 entries to buildings worldwide during the pandemic as well as a classified stats dashboard for the CTO and their reports

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
- 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

CAPITAL ONE LABS | SOFTWARE ENGINEERING INTERN

June 2018 – Aug 2018 | New York, NY

AMAZON WEB SERVICES | SOFTWARE ENGINEERING INTERN

Jan 2018 – Apr 2018 | Herndon, VA

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.