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
LinkedIn:// evinaik

SKILLS

TECHNICAL
Proficient
Java • Python • Go • C
Familiar
Javascript • OCaml • Ruby
WebGL • Shell • LaTeX
Technologies
Linux • Pandas • Git •
Amazon Web Services

COURSEWORK

Data Science
Design and Quality
Machine Learning
Quantum Physics
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

ACTIVITIES

Kappa Theta Pi
MZZ Ventures
QUEST Corporate
RedBlack Consulting

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 – 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

DISCOVR
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.