KEVIN CAM

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EDUCATION:

Northeastern University, Boston, MA — Expected Completion Dec 2022
Khoury College of Computer Sciences, Candidate for a Bachelor in Computer Science — **GPA: 3.88/4.00**
Coursework: Object-Oriented Design, Algorithms and Data, Computer Systems, Networks & Distributed Systems, Data Science
Notable Projects:
Computer Systems (*project link on request in order to avoid cheating*)

- Created a simple network database server with multi threaded functionality
- Implemented a mostly-read only Unix-like file system using the FUSE library

Networks & Distributed Systems

- Created a Raft consensus algorithm
- Web scraping software

COMPUTER KNOWLEDGE:

- **Computer Languages:** Java, Javascript, Go Lang, Python, CSS, HTML, MATLab
- **Technology**: React, Styled Components, Google's Cloud Datastore API, Google's Blobstore API, jQuery, Jinja2, Pandas

EXPERIENCE:

Google's SWE Internship, Remote, *Software Developer* — **May - August 2021**
Anthos Audit Logging Offline Buffer Improvements (https://github.com/kev1n80/go-diskqueue)

- Added a disk size limit feature to a file based queue which resulted in Google Anthos Audit Proxy's resilience to network outages by keeping relevant audit logs from kube-apiserver and deleting old log files to maintain the allocated storage space. This affects ~850 clusters which leverage Google Anthos Audit Proxy.
- Replaced the current LumberJack go package with my forked repo of DiskQueue in Google Anthos Audit Proxy which resulted in 100% of disk utilization compared to the old LumberJack approach.
- Utilized Travis CI to detect race conditions and ensure that each iteration of DiskQueue can be built and deployed.
- Leveraged python scripts to scrape metrics api in order to measure performance of Audit Proxy while running.

Google's STEP Internship, Remote, *Full Stack Developer* — **June - September 2020**
Capstone Project (Centralize) (https://github.com/zrideaux/capstone)

- Built a website that helps nonprofits build credibility and raise funds by providing an online platform for them to share their mission and crowdsource ratings as a form of verification.
- Used Javascript to create reusable HTML components that dynamically displays user data received from HTTP requests to back end Java servlets.
- Stored and retrieved user data with Google's Cloud Datastore API to efficiently serialize structured data and to quickly create a scalable project without having to predefine a schema.
- Integrated keyboard compatibility that allows users to navigate the webpage through keystrokes to improve accessibility.

EXTRACURRICULAR ACTIVITIES:

Sandbox NEU *Front-end Developer* — **January 2020 - Present**
Pharmd Project (https://github.com/sandboxnu/pharmd-tracker)

- Collaborated with the Sandbox school club to build a dynamic website that assists staff at the Northeastern School of Pharmacy to reduce merge conflicts and improve the process of updating student data.
- Developed the front-end by leveraging React, a Javascript library, for its ability to quickly create a scalable project.
- Added styling using Styled-Components for its ability to override styling of a component.
- Leveraged React-Admin in order to handle routing, use its basic components, and querying the API.

Hackbeanpot 2021 *Front-end Developer* — **February 2021**
Your Board (https://github.com/vincentspitale/Your-Board) (https://devpost.com/software/your-board)

- Created a chrome extension that replaces the New Tab page in the Chrome browser with a digital canvas where you can see messages and images from friends and family using Chrome DevTools.
- Leveraged React and Tailwind macro in order to quickly create a scalable and lightweight project.

Interests: Photography, Starcraft 2, chess, dancing Salsa & Bachata, anime, building a pc, and running.