**Kea Braekman**

kea.braekman@gmail.com | (310) 400-4652 | Los Angeles, CA | [github.com/keabraekman](http://github.com/keabraekman) | [linkedin.com/in/kea-b-553a5a10b](http://linkedin.com/in/kea-b-553a5a10b)

**WORK EXPERIENCE**

**Booz Allen Hamilton Aug. 2020 – Present**

*Staff Engineer | Sept. 2022 – Present Remote*

* *Full Services Team - Hybrid Legacy Application Migration to AWS.*
  + Increased scalability and reliability of 6+ applications by **40%**, migrating hybrid infrastructure to **AWS ECS, ECR, RDS**, and **MQ** with **Terraform**.
  + Designed and validated Software Human Computer Interfaces for large and small screen devices, improving user experience and product accessibility.
  + Integrated Artifactory with **AWS ECR** for container image storage, simplifying artifact management and versioning for **20+** Dockerized applications.
* *Security Services Team - Deployed and Maintained Security Infrastructure.*
  + Deployed and maintained **Tenable SC and Trend Micro** across 10+ multi-region AWS accounts, significantly decreased vulnerabilities by automating security scans.
  + Conducted remote and in-person ethnographic research, interviews, and surveys, enhancing understanding of user needs and preferences.

*Software Engineer | Dec. 2020 – Sept. 2022*

* *Foundational Services Team*
  + Automated TLS certificate creation by developing a **Gitlab CI** pipeline leveraging **AWS ACM** across **50+** instances.
* *Systems Engineer | Aug. 2020 - Dec. 2020*
  + Developed a web scraping **Python** bot that saved **160+ hours** of manual data entry by curling client financial data into an Excel spreadsheet.
  + Applied standards for IEC62366, ISO 14971, and HE75 for FDA guidelines, ensuring compliance and safety across all product lifecycles.

**EDUCATION**

**Loyola Marymount University May. 2020**

*Double BS, Computer Science & Economics Los Angeles, CA*

3.7/4.0 GPA

**PROJECTS & CERTIFICATIONS**

**Visualkube**

* Developed a full-stack app to visualize **Kubernetes** and **Docker** layers using a **React** front-end and **Go** backend during a 2019 summer internship.
* Presented the project and business plan, winning **first place** in the nationwide Summer Games competition out of 80+ teams.

**Wordle Solver**

* Created a **Python** script using information theory to compute the optimal Wordle guess.

**Ballpark Bookie**

* Developed a machine learning script with **numpy** to predict MLB game outcomes using logistic regression on data from a sports API.

**Hashicorp**

* Infrastructure Automation Certification.

**AWS**

* Foundational Cloud Practitioner, AssociateDeveloper.

**SKILLS**

Python, Terraform, AWS, Docker, Artifactory, Bash Scripting, Web Scraping.