

KAM KHAI (PATRICK)

GitHub: <https://github.com/patkhai>

LinkedIn: <https://www.linkedin.com/in/patrick-khai>

Portfolio: <https://patrickkhai.com>

Phone: 925-812-4229

Email: patrickkhai98@gmail.com

EDUCATION

San Francisco State University

August 2015 - December 2019

- (B.S.) Bachelor of Science Degree in Computer Engineering
- Minor in Computer Science

Major GPA: 3.56

WORK EXPERIENCE

Software Engineering Intern | *Moody's Analytics, Inc.* | San Francisco, CA

June 2019 - August 2019

- Designed AWS Cloud Formation templates to create custom sized VPC, Subnets to ensure successful deployment of web applications.
- Wrote proprietary scripts in power shell for increased system task performance and use Docker to automate testing of the power shell scripts that's used by over 6 developers in the team.
- Involved in designing and deploying a multitude of applications utilizing the AWS stack including EC2, S3, Dynamo DB, & ECS Cluster.
- Reduced manual repetitive tasks and increased automation provisioning using Terraform, Python and Java enabling engineers.
- Built and supported web SaaS solutions based on Linux/Windows platform in a cloud platform(AWS).
- Wrote technical document procedures and troubleshooting techniques related to the software stacks.

UX/UI Designer Intern | *Restvo, Inc.* | Oakland, CA

March 2019 - August 2019

- Designed user interfaces, on boarding flow for the Restvo app which attracted more users by 48%, active users increased from 20 to 30.
- Reviewed existing research and products, applying the findings to a specific problem or process.
- Wireframe and prototype concepts for Restvo web app and native app as well.
- Conducted user research to identify opportunities for improving the Restvo app.

Resident Assistant | *San Francisco State University* | San Francisco, CA

August 2018 - December 2019

- Developed an inclusive community among 400 residents, maximizing positive resident interactions.
- Organized 8 programs, based on a given programming model, for residents to interact with each other and also to be educated.
- Increased attendance at social / educational programs by 70% through intensive advertising and interacting with the residents.

Technical Program Manager | *CodePath, Inc.* | San Francisco, CA

August 2018 - April 2019

- Delivered on-campus technical instruction and online support to a cohort of 20 students at the San Francisco State University for six hours per week via a series of in-class activities, weekly labs, and long-term projects.
- Managed the workflow activity of the course using the Agile development framework; simulate weekly scrum meetings.
- Implemented web service architecture, protocols, data formats(OAuth, JSON, PARSE, Restful API's).

Product Specialist | *Apple, Inc.* | San Francisco, CA

September 2017 - January 2019

- Performed troubleshooting, diagnosis, Apple MacOS , iOS software and phones.
- Responsible for administrative tasks in the department including goals, attainment, and planning.
- Designed and delivered solutions-based sales demonstration and presentations to the potential customers.
- Maintained an average customer service satisfactions rating of 86% while continue assisting customers every month.
- Provided basic technical product support to customers by identifying user problems and reviewing technical documentation with customers.

PROJECTS

ASL (American Sign Language) Keyboard Extension on iOS devices

Link: github.com/patkhai/ASL_Keyboard-Extension

- Implemented a mobile app extension to help out with people with impaired hearing, dyslexia and children who have hard time typing.
- Built Swift and keyboard controller extension function then firebase as the backend to store asl sign gesture data with a feature of speech to text recognition through IBM's CoreML with using the cloud database Watson Studio.

Gator Trader Web Application

Link: <http://13.52.236.160/>

- Implemented a web application that offer students to buy and sell goods and services that relate closely with their educational needs.
- Built using Flask (python framework) application that read and write from database using a Flask-SQLAlchemy and used MySQL as backend and HTML, CSS Javascript as frontend then deploy it on the AWS (Amazon Web Services) EC2 instances.

SKILLS

- **Programming Languages:** Java, HTML, CSS, Python, Swift , Javascript
- **Automation Tools:** Jenkins, Docker, Kubernetes
- **Cloud Infrastructure:** AWS (Amazon Web Services), Azure, Google Cloud
- **Scripting Languages:** Python, Bash / Shell Scripting, PowerShell scripting, YAML, Terraform
- **Networking Basic Knowledge:** TCP/IP, UDP, DNS, DHCP, Active Directory, Troubleshooting, SFTP, Firewalls
- **Structure Query Language:** MySQL, SQL
- **Foreign Languages:** Fluent in Burmese, Mandarin