

# Patsawee (Louis) Maliyam

SOFTWARE ENGINEER (NEW GRAD)

Seattle, WA

☎ (+1) 206-612-5113 | ✉ louis.maliyam@gmail.com | 🏠 louismlm.github.io | 🌐 louis-maliyam

## Education

### University of Washington

Seattle, WA

M.S. IN COMPUTER SCIENCE (GPA: 3.97/4.00)

Jan. 2021 - Expected Dec. 2021

B.S. IN COMPUTER SCIENCE WITH DATA SCIENCE OPTION, MINOR IN DANCE (GPA: 3.95/4.00)

Sep. 2017 - Dec. 2020

- Was selected for President's Sophomore Medalist Award, which celebrates the top student in each undergraduate class.

## Work Experiences

### Microsoft

Remote

SOFTWARE ENGINEERING INTERN · NESTED VM TEAM (AZURE APP SERVICE)

Jun. 2021 - Sep. 2021

- Improved stabilization time of **host role** and **web worker instances** which serve client's requests on **Azure App Service**, using **C# (.NET)**.
- Host roles and web workers were taking **~40%-65% less time to stabilize**, causing faster upgrade of an app service and saving thousands of deployment hours which help leverage the provisioning time of the service; created **Kusto** query to track stabilization time of a certain role.
- Logged instances' operations and errors to monitor the workflow of stabilization enhancement.

### DocuSign

Remote

SOFTWARE ENGINEERING INTERN · SIGNING TAG TEAM

Jun. 2020 - Sep. 2020

- Developed three new features on the main signing site, using **jQuery** and **C# (.NET)**; ensured **accessibility** and logged information for future analysis.
- Added a signature **color selector**, allowing users to change the color of signatures; enhanced signing experience for 99.9% of DocuSign's users.
- Added a **full screen mode of signature drawing** on mobile phone's signing site; impacted 1M+ envelopes per month.
- Added an **image processing** option for an uploaded signature image, allowing users to adjust brightness, contrast, and saturation of the image.

### Indeed

Seattle, WA

SOFTWARE DEVELOPER INTERN · PASSPORT TEAM (ACCOUNT AUTHENTICATION)

Jun. 2019 - Sep. 2019

- Designed and created a **micro-service** (gRPC) using **Java Spring Framework** for validating misspelled email domains at the [create account page](#).
- Used **React and Redux** to display an email domain suggestion, aiming to reduce the potential loss of customers.
- Logged and analyzed performances (A/B testing) by using **Apache Log4j**; built **Datadog** dashboard for monitoring service's availability and metrics.

### University of Washington

Seattle, WA

STUDENT TEACHING ASSISTANT

Apr. 2019 - Present

- Conducted weekly sections and extra discussion sections; promoted student collaborations during lectures; held 1-1 meetings with students; developed class structures; graded assignments and exams; managed and responded to discussion board; held office hours.
- CSE512: **Data Visualization** [SP21]; CSE332: **Data Structures And Parallelism** [WI21,WI20]; CSE311: **Foundations of Computing I** [AU20,SP20]; CSE373: **Data Structures And Algorithms** [AU19]; CSE154: **Web Programming** [SP19]

## Leadership Experiences & Awards

### Minorities In Tech

Univ. of Washington

VICE PRESIDENT

Sep. 2020 - Jun. 2021

- To foster culturally diverse and supportive community in tech; to create an inclusive environment where differences are valued and respected.
- Planned events, i.e. community conversation; provided encouragement and motivation to fellow officers and organization members.

### International Student Mentorship Program

Univ. of Washington

MENTOR

Sep. 2019 - Jun. 2020

- To create community and support for international students; to develop interpersonal and leadership skills in diverse-background team setting.
- Led and participated in mentorship workshops for 70 students; provided academic and mental supports to other international student mentees.

2019-20 **Eileen Bjorkman Term Scholarship in Computer Science & Engineering**, Departmental Scholarship

Univ. of Washington

2018-19 **President's Medalist Award**, Sophomore Medalist

Univ. of Washington

2017 **4<sup>th</sup> Place**, 2017 ACM-ICPC Pacific Northwest Regional Contest

Puget Sound Univ.

## Skills

### Programming Languages

Java: 4+ years | C/C++: 4+ years | Python: 1+ year | C#: 6 months

### Operations Technologies

Git: 3+ years | Gradle: 6 months | Java Spring: 3 months | Jenkins: 3 months | Datadog: 3 months | Ant: 3 months

### Web

JavaScript: 2+ years | MySQL: 2+ years | CSS: 2+ years | jQuery: 6 months | React: 6 months | Redux: 2 months

## Extracurricular Activities

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### Dance Majors Concert 2020

[Univ. of Washington](#)

DANCER

Dec. 2019 - Mar. 2020

- Rehearsed and performed in *Do We Have Home?* choreographed by Sojung Esther Lim at Meany Hall Studio Theatre on March 3, 2020.
- Used performing arts to raise awareness on personal sufferings.
- Enhanced personal confidence in mass public appearance and strengthened team-working skills.

### UW Dance Presents 2020

[Univ. of Washington](#)

DANCER

Sep. 2019 - Jan. 2020

- Rehearsed and performed in *Pink Matter Vol 2: What is Love?* choreographed by Dani Tirrell in collaboration with Michael O'Neal at the Meany Hall Studio Theatre during January 23-26, 2020.
- Creatively portrayed a story of loves and relationships through dances and voices.

### UW Musical Theater's Production of *Anything Goes*

[Univ. of Washington](#)

ACTOR

Jan. 2018 - Mar. 2018

- Performed a role of "John" in the production of *Anything Goes* at the Floyd and Delores Jones Playhouse during March 9-18, 2018.
- Learned to take on challenges and developed a collaborative skill.