

# LINDSEY JIN

4A Software Engineering Student

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## WORK EXPERIENCE

### Facebook | Software Engineering Intern

Jan 2021 - Apr 2021

- Added new user-interactive features to Facebook Watch to increase user control and agency, driving up video watch time by **4.5%** — a projected **7M minutes/day**
- Created a new daily scheduled notification to path more users to Watch, increasing visits to the Saved Videos page by over **200%**
- Built a news feed component to show users the most important/popular videos of the day, projected to bring **~450K users** to Facebook Watch

### PagerDuty | Software Engineering Intern

May 2020 - Aug 2020

- Created a **Kafka** consumer application in **Elixir** to ingest incident creation events, processing an average of **800 messages per minute** across multiple partitions
- Logged key consumer metrics to **Datadog** dashboards and set up automated monitors through **Terraform** to send alerts in cases of high latency
- Wrote **Elixir** Task to regularly cleanup old resolved incidents from **Elasticsearch**, deleting **thousands of incidents** across customer accounts every **~10 minutes**

### Ritual | Backend Software Engineer

Sep 2019 - Dec 2019

- Consolidated all referral landing pages into one page by re-implementing **MVC** components in **Java**, leading to an increase in user sign-up rate by **7%**
- Built web page in **React** for marketing campaign validation tool, and defined new **protocol buffers** and interfaces for transferring data between applications
- Winner (Top 4 out of 16) at the Ritual Hackathon for Ritual Rewind: an animated website that showcases a user's order history and trends over the past year

### Genesys | Fullstack Development Intern

Jan 2019 - Apr 2019

- Migrated legacy back-end REST API for fetching business data from **PHP** to **Node.js** and integrated **Redis** caching, improving runtime by **80%**
- Improved existing prototype in **AngularJS** for graphically building voice applications by adding a call history tracer and different editing modes
- Created UI dashboard with **Vue.js** to demo team's sentiment analysis microservice, winning **1st place** out of 9 teams in company-wide hackathon

### Validus Research Inc | Application Developer

May 2018 - Aug 2018

- Developed website using **Flask** and **Vue.js** for analysts to access currency records
- Automated **~70%** of the direct insurance process by creating a **Flask** application to populate Excel sheets, as well as a dashboard to track the status of ongoing tasks

## PROJECTS

### Lift | Winner at Hack the North 2018

Sep 2018

- Created a **Fitbit** app that tracks a user's workout progress by counting repetitions using the watch's built-in accelerometer
- Created **Vue.js** dashboard to visualize biometrics in real-time during a workout

## SKILLS

### Languages

C++, Python, Java,  
JavaScript, Elixir, PHP,  
HTML/CSS, SQL

### Frameworks & Tools

React, Vue.js, Kafka,  
Docker, Elasticsearch,  
AngularJS, Node.js, Git

## EDUCATION

### University of Waterloo

Sep 2017 - Apr 2022

Bachelor of Software  
Engineering

Cumulative GPA: 89%

### National University of Singapore

Jan 2020 - Apr 2020

3A Exchange Term

## AWARDS

Palantir Scholarship  
for Women in  
Computer Science  
2021

Genesys Innovation  
World Cup Winner  
2019

Winner at Hack the North  
2018

Best Use of ConsenSys  
API at Hack the Valley 2  
2018

Dean's Honours List  
2017, 2018, 2020, 2021