

Jay Tayade

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EDUCATION

UNIVERSITY OF MICHIGAN

BSE IN COMPUTER SCIENCE

Expected April 2019 | Ann Arbor, MI

GPA: 3.6 / 4.0

Instructor for Accelerated Intro to Computer Science

LINKS

Github:// [koolguru](#)

Linkedin:// [jaytayade](#)

Devpost:// [JayTayade](#)

COURSEWORK

UNDERGRADUATE

Web Systems

Operating Systems

Artificial Intelligence

Computer Security

Data Structures and Algorithms

Discrete Math

Foundations of Theoretical Computer Science

Computer Organization

Sustainable Engineering

SKILLS

PROGRAMMING

Primary Languages:

Java • C++ • Python • C#

Project Experience:

C • JavaScript • PHP • Groovy

• HTML • CSS • Ruby

TECHNOLOGIES

Flask • Springboot • React

• MongoDB • Redis • Firebase

• Ruby on Rails • Node.js • Android •

GraphQL

TOOLS

Git • Subversion • Docker

• Kubernetes • JenkinsCI

EXPERIENCE

FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2018 – August 2018 | Menlo Park, CA

- Interned on the **Messenger Games team** as an **Android** engineer
- Added a **targeted game suggestion** inside old messenger threads leading to an increase Android weekly active players by **50%** and new users by **130%**
- Built and shipped a new interface for users to access first party services (Payments, Reminders, etc.) as well as third party services (Spotify, Pinterest, etc.) within messenger threads.
- Built **GraphQL** data models to allow targeted ranking and user customization of first and third party services.
- Worked to migrate existing components of Messenger to the performant **Litho UI framework** in preparation of the launch of the upcoming redesign of messenger.

NORDSTROM | SOFTWARE ENGINEERING INTERN

May 2017 – Aug 2017 | Seattle, WA

- Developed and deployed **Java** and **Node.js** libraries/APIs that implemented simplified asynchronous interaction with **Redis** and **Apache Kafka** based **message queues** for messaging within a **service oriented architecture**.
- Integrated **logging/alerting** into the library to implement best practices behavior and developed a **CI/CD** release pipeline using **Jenkins CI** to ensure the library was ready for production.
- Assisted five development teams in migrating to the library and worked with hundreds of company developers to raise awareness of the library

PRINCIPAL FINANCIAL GROUP | SOFTWARE ENGINEERING INTERN

May 2016 – August 2016 | Des Moines, IA

- Utilized **React Native** to develop a mobile application to allow the sales team to simulate use cases for company services
- Developed a **Java/Spring** application designed to track, report and validate over 200 daily Java application deployments to IBM WebSphere environments.

PROJECTS

MICHIGAN AUTONOMOUS AERIAL VEHICLES

2017 | Ann Arbor, MI

MAAV is a student led engineering design team focused on building an autonomous drone for competition. As part of the team, I worked to develop an algorithm to calibrate on-board **inertial measurement units** and **gyroscopes** before flight.

SMART SALES | NORDSTROM HACKATHON PROJECT

June 2017 | Seattle, WA

Smart Sales allows customers to indicate items of potential interest and subscribe to notifications for discounts on those items. The project used a **Python/Flask** backend, a **MongoDB** database and **React** front-end.

SMART MAILBOX | MHACKS 2017

March 2017 | Ann Arbor, MI

The smart mailbox project uses an ultrasonic sensor and a wifi-enabled arduino to allow users to control and receive mail delivery updates over text. The project used a **Python/Flask** backend to analyze sensor data, a **Firebase** database to store states from the embedded device and a **Twilio** service to send and receive text updates.