

Jay Tayade

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EDUCATION

UNIVERSITY OF MICHIGAN

BSE IN COMPUTER SCIENCE

Expected April 2019 | Ann Arbor, MI
Instructor for Accelerated Intro to Computer Science

LINKS

Github:// [koolguru](#)
Linkedin:// [jaytayade](#)
Devpost:// [JayTayade](#)

COURSEWORK

UNDERGRADUATE

Web Systems
Operating Systems
Machine Learning
Computer Security
Autonomous Robotics
Election Security and Integrity
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.