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

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 as part of the Messenger Instant Games team on the **Android** platform
- Developed a new high visibility games entry point inside messenger threads to increase Android weekly active players by 50%
- Developed a new way for users to discover and use first and third party services available in messenger threads
- Worked to develop a new approach to ranking services to maximize user engagement and revenue from in-thread services

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 | Software Team Member

Jan 2016 – Present | Ann Arbor, MI

MAAV is a student led engineering design team focused on building an autonomous drone for competition. As a member of the team, I worked to develop a **C++** and **Python** based physics simulation to test and develop the drone's computer vision capabilities. I utilized **OpenGL** and **Bullet Physics** to visualize and model the quadcopter in 3D space. Additionally, I designed an algorithm to calibrate onboard **inertial measurement units** and **gyroscopes**.

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** frontend.

SMART MAILBOX | MHacks 2017

March 2017 | Ann Arbor, MI

The smart mailbox project uses a ultrasonic sensor and a wifi-enabled arduino to allow users to control and recieve 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.