To whom it may concern,

We brought Jayce onto our team as a Software Engineering Intern this summer, 2023. Jayce proved to be a productive team member from the day he started. His previous work experience and education equipped him with the skills necessary to juggle multiple tasks simultaneously across various programming languages.
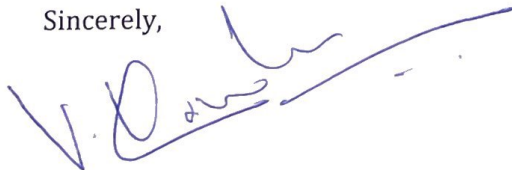
Jayce started his work on one of our high-volume traffic applications. The application has a React frontend with a Ruby on Rails API (Application Programming Interface) server. Jayce quickly completed the tasks we had in store for this application, so we moved him to work on his own application. He led architecture and development of an application that supported our Kubernetes cluster. In only three months, Jayce accomplished more than we could have ever anticipated:

- Automated the parsing and integration of over 20,000 LDAP (Lightweight Directory Access Protocol) mailing lists into a viable format for our centralized SQL database and Ubuntu servers and created views to differentiate these new mailing lists.
- Reworked the entirety of an existing API endpoint to ensure smooth retrieval and alteration of mailing lists while maintaining existing functionality.
- Developed a "new features" banner that expires at a set date and allows for dynamic updates in React.
- Created Ruby on Rails test suites and assertions to validate the integrity of API endpoints and ensure data consistently synchronized with our other services.
- Fixed existing bugs, including group mailing functionality, discrepancies between development and production environment views, and faulty model validations.
- Architected, built, and containerized (docker) his own full stack application (called "KSS") that allows for user-friendly viewing and management of our Kubernetes API endpoints. He built the frontend with Semantic-UI React and the backend with a lightweight flask server.

Beyond his technical ability, Jayce is patient, compassionate, and determined in any project he takes on.

Sincerely,   Dated, August 24, 2023.

Kondaiah Vasuwandla

Director, Info Technology

Synopsys, Inc.