

# KEVIN PHAM

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## EXPERIENCE

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### Junior Integration Engineer BART

February 2024 - Present  
*Oakland, CA*

- Conduct on-site assessments to monitor project progress and gather essential data for validation.
- Facilitate effective communication and coordination between engineering teams and maintenance staff, serving as a pivotal liaison.
- Drive biweekly meetings focused on asset condition, fostering collaboration and informed decision-making among stakeholders.

### Technical Support Engineer Canon USA

August 2022 - January 2024  
*San Jose, CA*

- Communicate, coordinate, and execute firmware updates to production lithography machines to ensure optimal equipment performance and productivity
- Lead installation of Recipe and Log servers, utilizing Redhat, Centos, Virtualbox when necessary.
- Coordinate with the Japan Support team to resolve technical issues, categorize and maintain software library.
- Assist in clean room move in, repair, optimization and installation of machines.

### Student Mentor Edlyft

August 2021 - December 2021  
*San Francisco, CA*

- Instructed a cohort of 6 students core CS concepts such as trees, sorting, and linked lists .
- Increased student's assessment score by an average of 7.5%
- Created weekly presentations and practice questions for each lecture.

### Software Engineer Intern NASA Ames Research Center

June 2021 - August 2021  
*Moffett Field, CA*

- Utilized NS-3 to create a user configurable simulation to generate an animation and output log of events.
- Developed a network simulator to emulate data transmission in moving networks utilizing LTE connection.
- Created Python script to clean data and analyze findings.

## PROJECTS

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### RTOS Mp3 Player — <https://github.com/kpham56/146MP3>

Utilized FreeRtos to program an mp3 player. Created BOM and sourced materials to build project. Wrote drivers for UART, SPI protocol for interfacing SD card, LCD screen and MP3 decoder.

### Ultrasonic Obstacle Avoidance Car — <https://github.com/kpham56/cmpe127proj>

Built an obstacle avoiding car by interfacing an ultrasonic sensor mounted on a servo with the TM4C microcontroller. Utilized TIVA to program board. Featured 3d printed chassis, DC motors and Lithium Ion batteries

## EDUCATION

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### BS Computer Engineering , San Jose State University

2017-2022

Relevant Coursework: Real Time Embedded Systems, Digital Design, Microprocessor Design, Physics

## SKILLS

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**Technical Skills**      C, C++ , Git, Python, FreeRtos, UNIX, Redhat Enterprise Linux, Microsoft Suite