

KEVIN PHAM

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OBJECTIVE

Computer Engineering graduate looking for full time internship or entry level roles for Summer or Fall 2022.

EDUCATION

BS Computer Engineering , San Jose State University Expected Summer 2022
Relevant Coursework: Real Time Embedded Systems, Digital Design, Microprocessor Design

SKILLS

Technical Skills	Verilog, C++ , Git, HTML, Python, FreeRtos
Soft Skills	Communication, Quick Learner, Flexible

EXPERIENCE

Student Mentor	August 2021 - December 2021
Edlyft	<i>San Francisco, CA</i>

- Led biweekly meetings to cover core CS concepts such as trees, sorting, linked lists, and more.
- Created assessments to measure improvement in students
- Prepared coding questions weekly to help students prepare for interviews.

Software Engineering	June 2021 - August 2021
NASA Ames Research Center	<i>Moffett Field, CA</i>

- Developed a network simulator to drop packets and generate realistic delays for testing of software in support of air mobility data transmission
- Used NS3 to create a user configurable simulation that generates an animation and output log
- Attended weekly cybersecurity meetings with other interns

PROJECTS

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

Utilized FreeRtos to program an mp3 player. Created driver files for Uart, SPI protocol for interfacing SD card, LCD screen and MP3 decoder. Featured volume control, bass and treble control. Utilized powerbank and mechanical switches for computer-free user operation.

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.

NS3 LTE Simulation — <https://gitlab.com/kpham/NS3Sim/-/tree/main>

NS3 Scripts to test LTE connection between several mobile vehicles. User can adjust amount of nodes, towers, packet size, throughput, distance, and mobility speed/pattern. Creates a visual animation that can be viewed frame by frame.

LEADERSHIP

Club President	August 2021 - June 2022
San Jose Dragon Boat	<i>San Jose, CA</i>

- Hold bimonthly meetings to discuss team goals, events, and performance.
- Communicate with SJSU for official club events and recruitment.