

KEVIN PHAM

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OBJECTIVE

Computer Engineering graduate looking for full time internship or entry level roles for Summer 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
Soft Skills Communication, Quick Learner, Flexible

EXPERIENCE

Student Mentor August 2021 - December 2021
Edlyft *San Francisco, CA*

- 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 *Moffett Field, CA*

- 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

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. Found that LTE connection performs best with larger packets at a smaller rate, as opposed to small packets at a high rate which creates instability and packet loss

Online Grocery Store — <https://github.com/kpham56/ecommerce-ofs>

Developed the cart and checkout page using HTML and PHP. Performed input verification on throughout website. Connected MySQL database to checkout page to update inventory upon order completion.

LEADERSHIP

Club President August 2021 - Present
San Jose Dragon Boat *San Jose, CA*

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