

# KEVIN PHAM

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kpham56.github.io

## EDUCATION

**San Jose State University**  
Bachelor's Degree Computer  
Engineering 2022

## SKILLS

C++, Python, Git, HTML,  
PHP, Verilog, Bootstrap,  
Circuit Analysis, Unix

## COURSEWORK

Digital Circuit Design  
Engineering Reports  
Data Structures and  
Algorithms  
Engineering Statistics  
Advanced Algorithms  
Software Engineering  
Electronics for Computing  
Systems  
Operating Systems  
Compiler Design  
Microprocessor Design

## PROJECTS

### ULTRASONIC OBSTACLE AVOIDANCE CAR

[HTTPS://GITHUB.COM/KPHAM56/CMPE127PROJ](https://github.com/kpham56/CMPE127PROJ)

- Utilized TI TM4C controller, SR04 Ultrasonic sensor, 3D printed chassis, and DC motors to create a self-driving vehicle
- Vehicle logic programmed controller in C, using Keil uVision

### NS3 NETWORK SIMULATOR

[HTTPS://GITLAB.COM/NS3SIM/SIMULATIONS](https://gitlab.com/ns3sim/simulations)

- Developed simulator to realistically calculate data throughput and delay over an LTE network
- User defined simulation featuring mobility, multiple devices, towers, and adjustable packets metrics
- Generated animated results and text output
- Wrote python script to visualize datapoints

### ONLINE GROCERY STORE

[HTTPS://GITHUB.COM/KPHAM56/ECOMMERCE-OFS](https://github.com/kpham56/ecommerce-ofs)

- Developed the Cart and Checkout page using HTML and PHP
- Created input verification for pages

## EXPERIENCE

### EDLYFT, SAN FRANCISCO, CA

*Student Mentor*

AUG '21 – DEC '21

- Taught Students CS concepts such as Trees, Sorting, Searching
- Create assessments to measure performance
- Hold weekly meetings and office hours with students

### NASA ARC, MOUNTAIN VIEW, CA

*Software Engineering Intern*

JUNE '21 - AUG '21

- Collaborated with peers to develop an LTE Simulation using NS3 and NetAnim
- Presented weekly findings in standup
- Attended weekly cybersecurity meetings

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