

Stephan Nguyen

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EDUCATION

University of California – San Diego

Aug 2020 – June 2023

Major: B.S. Computer Engineering

Cumulative GPA: 3.5

PROJECTS

Full Adder Circuits Project

April 2022

Personal Project

- Researched and developed a schematic for a *Kogge Stone* 8-bit adder
- Debugged and optimized the design to run at 4.0 GHz
- Tested and verified the VLSI design
- *Technologies Used: Cadence Virtuoso, Linux OS, CMOS*

IEEE Hackathon – 1st Place

Dec. 2019

Team Lead/Designer

- Developed a small-scale automated package transporter system
- Managed the electrical and software teams in order to meet our project goal
- Developed a design with microcontrollers, beam sensors, and actuators
- *Technologies Used: C/C++, Arduino, Sensor Libraries*

Academic Social Media App

Dec. 2021

Team Lead

- Developed an experimental social media app that allowed students to connect with their classmates (in-person) from previous online classes
- Handled Bluetooth communication between phones of potential pairs
- Setup and utilized an SQL database to build and access data over Bluetooth
- *Technologies Used: Android Studio, Java, SQL, Bluetooth, Google API*

WORK EXPERIENCE

E.E. Club – San Marcos

Sept. 2018 – May 2020

Lead Circuit Designer

- Researched and developed a remotely operated aerial vehicle from scratch
- Leading and planning out deadline/meeting for team members
- Utilized microcontroller for wireless communication and thrust control
- Researched and developed electromagnetic suspension (EMS) circuit
- *Technologies Used: Arduino, C/C++, Bluetooth, PWM*

UCSD Recreation – San Diego

Aug. 2021 – Present

Team Manager

- Manage around 30 people across multiple teams, departments, and disciplines
- Manage meetings, schedules, team events, and livestream productions