

Dung (Daniel) Nguyen

Passionate about building website, automation, and networking applications. Strong mindset for innovation and eager to explore new technologies in a dynamic environment.

San Jose, CA
+1 (408) 816-9773
nguyenad92@gmail.com
nguyen-ad.com
github.com/nguyenad92
linkedin.com/in/nguyenad



PROJECT

Portfolio

10/2020 - Present

- Built a full-stack website nguyen-ad.com using Django framework, Python back-end and bootstrap front-end.
- Deployed website on AWS EC2 and EBS, configuring domain name by Route53 for 99.99% up time.
- Hosted by Apache2 Web Services on EC2 utilizing HTTPS with certbot.

Piman

9/2020 - 12/2020

- Contributed to github.com/SJSU-CS-systems-group/piman which manages Raspberry Pi networks.
- Implemented DNS resolver to responde for the piman name query with the Pis' IPs.
- Fixed and tested the TFTP OACK for Pi 4, allowed transfer files bigger 512b.
- Created Linux bash shell script to distribute monitoring files services to Pis.
- Monitored Pi metrics such as CPU, RAM, PID, temperature using Grafana.

Automation

10/2020 - 12/2020

- Applied Python win32com module for automating process open PSD file and change its content in Windows.

WORK EXPERIENCE

The Window Specialist

6/2020 - 8/2020

Software Engineer Intern

- Reduced quoting process time from 1 week to 5 minutes by implementing PyPDF2 and Tesseract to auto extract text, and eliminate human errors.
- Increased the object detection accuracy from 60% to 80% by using Nanonets API for model training.
- Built the system as a website on Django and deployed on AWS for global access in testing phase.

NTL Systems

1/2019 - 8/2020

Technician

- Ran and crimped RJ45 to connect devices for company saving \$26k+.
- Developed adjustable constant load 120A current ability for power supply.
- Used multimeter to measure circuit and soldering to repair circuit boards.

EDUCATION

BS in Software Engineering

GPA: 3.5

San Jose State University

8/2018 - 12/2020

Senior Project

- Created a webapp to find a specific page in pdf file and extract data using PyPDF2.
- Implemented authentication for security access with privacy.
- Made UI with HTML/CSS and bootstrap template.

CERTIFICATE

Cybersecurity

San Jose State University

8/2018 - 12/2020

Learning Outcomes

- Applied security principles and practices to the environmental, software, and human components of a system.
- Analyzed and evaluated systems with respect to maintaining operations in the presence of risks and threats.

SKILLS

PROFICIENT	Python, Java, Django, Ruby, AWS, bash, ssh, TCP/IP, DHCP, DNS, SQL, Docker, Raspberry Pi
PRIOR EXPERIENCE	C++, C, JavaScript, HTML, CSS, React, LAMP, flask, Rails, Adobe XD, Photoshop

VOLUNTEER

- Develop website live1.gracealliancechurch.org and administrate youtube livestream at Grace Alliance Church.
- Counted ballots and managed takedown for Santa Clara County in 2020 elections.
- Helped and distributed care packages during Thanksgiving 2019 in downtown San Jose.

LANGUAGES

- **English:** Fluent.
- **Vietnamese:** Native.