KHOI NGUYEN

knguyen99@g.ucla.edu | (858) 925 9204
https://www.github.com/knguyen99
https://www.linkedin.com/in/khoi-v-nguyen

EDUCATION

University of California, Los Angeles — *Computer Science & Engineering*
Expected Graduation: **June 2021**
Current GPA: 3.159

NOTABLE PROJECTS

Temperature Sensor — *Embedded System (C)*
February 2019 – March 2019
- Constructed a system that senses temperature using a Beaglebone microcontroller, logs to a server with TLS session encryption, and supports command line options to modify time intervals of output and scale of temperature.
- Optimized efficiency by reducing time to open a TLS connection through SSL encryption and reducing time to parse through command line options.

Parallax 3D — *Python Scripting / Photography (Python)*
October 2018 – December 2018
- Optomized the creation of stereoscopic images through Python script, implementing libraries Imageio and Visvis. Created file management system to organize images taken from four separate cameras to be used for GIFs.
- Served as Lead Programmer, delegating tasks for the rest of the team based on skill sets of the members.

Scalar — *iOS Application (Swift)*
June 2018 – August 2018
- Designed an iOS application that utilizes Apple's 3D Touch as a scale and converts detected force to grams, measuring up to 385 grams.
- Implemented Navigation Views and segues to manage a hierarchy of views within the application.

#SquadGoals — *iOS Application (Swift)*
January 2018 – March 2018
- Developed an iOS application that competitively and aesthetically manages personal goals, allowing competition between friends through points for completion of goals.
- Completed interactive progress bar and incorporated a Table View for users to create memos while completing goals.
- Served as Team Lead and delegated tasks to other members of the team to accelerate application completion.

EXPERIENCE

UCLA Student Media, Los Angeles, CA. — *DevOps Intern*
January 2019 - Present
- Improved company workflow by creating internal websites with various functionalities such as time sheets and an apply website. Managed Wordpress websites through Linux servers and databases for internal and external use,
- Maintained internal network functions such as wifi, storage, and routing and firewall rules.

T-Mobile, San Diego, CA. — *Mobile Expert*
May 2018 - September 2018
- Increased accessory attachment sales by marketing specific items for customers using personal recommendations based on customer conversations.
- Improved customer overall experience by consistently implementing *Salesforce* appointment software and queue software allowing for expedited assistance.

LANGUAGES

C/C++	Python
Java	HTML
Swift	CSS
Bash	Javascript

SKILLS

Object-Oriented Programming, Linux, Git, Xcode, Arduino Microcontroller, Breadboarding, Microsoft Office, Adobe Creative Suite

COURSES

Current:

Logic Design of Digital Systems

Human-Computer Interaction

Completed:

Operating Systems Principles

Introduction to Computer Organization

Computer Software Consturction Laboratory

Introduction to Engineering Design: Internet of Things

Data Abstraction, Data Structures and Algorithms

Introduction to Discrete Structures

ORGANIZATIONS

Association of Computing Machinery

Creative Labs

UCLA Student Media

Theta Tau Engineering Fraternity

Awards

Eagle Scout Award Demonstrated knowledge in subjects such as personal management and emergency preparedness to earn over 21 merit badges. Planned and executed a 6 year plan to earn rank, including building a gateway for a low-income community garden.