

KEVIN TANG

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 github.com/icevin

 linkedin.com/in/kevintang-

EDUCATION

University of California, Los Angeles
B.S. Computer Engineering (GPA: 3.93)

Los Angeles, CA
Expected June 2022

Relevant Coursework:

GPA: 3.93

Algorithms, Data Structures, Computer Architecture, Operating Systems, Software Construction, Internet of Things, Computer Vision

SKILLS

Languages: [Python] [JavaScript] [C] [C++] [HTML/CSS] (*proficient*) [Java] [SQL] [Lua] (*familiar*)

Platforms: [React Native] [Express.js] [Arduino] [Google Cloud] [Liquid] [11ty] [Flask] (*proficient*)

[React] [TensorFlow] [OpenCV] [ESP-IDF] [STM32] [Vue.js] (*familiar*)

Tools: [Unix/Linux] [Git/GitHub] [Adobe Ps, Ai, Pr & Ae] [Figma] [Fusion 360] [Qt] [L^AT_EX] (*proficient*)

EXPERIENCE

Electrical & Computer Engineering Instructor
Bluestamp Engineering, LTD

New York, NY
Summer 2020

- Remotely led classes of high school students as they design, build, and document creative engineering projects
- Guided a total of 30 students & 40+ projects to completion, using the Raspberry Pi, Arduino, & ESP32
- Balanced student project progress vs student interest, morale, and education; dove into topics of student interest in daily office hours

Dev Director

Los Angeles, CA
2019 - Present

ACM Design (subcommittee of ACM at UCLA)

- Leads team of 10 working on ACM at UCLA's branding guidelines - see it live at design.uclaacm.com
- Create graphics and marketing material for all of ACM at UCLA's events and assist with rebranding project

Webmaster

Los Angeles, CA
2020 - Present

Engineering Society of UCLA

- Maintain ESUC website and develop tools to support undergraduate engineering student associations
- Created fully custom interactive online calendar using Bootstrap to consolidate events from 30+ clubs

Engineering Intern

Control Point Associates, Inc

Warren, NJ
Spring 2019

- Assisted with data processing 3D point-clouds for laser scanning projects in Leica Cyclone 3D
- Presented findings from two job sites and suggested opportunities for workflow improvement

Projects

WeChews

github.com/hubert94536/ChickenTinder
Fall 2020

React Native Mobile Application

- Built app that helps groups of friends decide where to eat with a team of developers
- Created custom gesture & animation handler for drag-down drawer
- Worked on frontend components and socket connections for group/room & filtering functionality

Laundry Manager and Organizer

github.com/icevin/lmao
2019-2020

Internet of Things Smart Laundry Hamper - Python

- Built touchscreen IoT device, using Raspberry Pi, custom designed 3D-printed parts, custom circuitry, and Qt
- Android Prototype won Top 30 Hack at PennApps XVIII, using machine learning models trained on Google AutoML to recognize washing instruction symbols on laundry tags
- Recognized symbols & clothes using OpenCV and TensorFlow, and optimized laundry load partitioning based on detected clothes

UCLA Engineering Day 2020 Website

esuc.github.io/ewd-2020
Summer 2020

HTML/CSS, JavaScript, Figma, Node.js, 11ty

- Designed and built website to promote UCLA Samueli's Engineering Welcome Day
- Programmatically generated pages using, and organized data provided by over 50 student organizations
- Received over 12k pageviews from peak ~600 concurrent users

clsrn - LA Hacks 2020 Award Winner

github.com/icevin/clsrn
Spring 2020

Augmented Google Classroom via SMS - Twilio, Flask, Google App Engine

- Tool to help disadvantaged students access online learning tools via SMS using Twilio & Google APIs

- Provides advanced features like dictation and image stitching to ease usage
- Google Cloud 1st Place: Best Hack Using Google Cloud, Facebook Best Collaboration Hack

Honors

Member, *Upsilon Pi Epsilon (UPE)* – International Honor Society for the Computing and Information Disciplines