**KEVIN TANG**



github.com/icevin

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**EDUCATION**

**University of California, Los Angeles** Los Angeles, CA

**B.S. Computer Engineering (GPA: 3.93)** *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 ] [ LATEX ] *(proficient)*

**EXPERIENCE**

Electrical & Computer Engineering Instructor New York, NY

**Bluestamp Engineering, LTD** *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

**ACM Design (subcommittee of ACM at UCLA)** 2019 - Present

* Leads team of 10 working on ACM at UCLA’s branding guidelines – see it live at [*design.uclaacm.com*](https://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

**Engineering Society of UCLA** *2020 - Present*

* 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 Warren, NJ

**Control Point Associates, Inc** *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

**React Native Mobile Application** *Fall 2020*

* 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

**Internet of Things Smart Laundry Hamper – Python** *2019-2020*

* 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

**HTML/CSS, JavaScript, Figma, Node.js, 11ty** *Summer 2020*

* 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

clsrm – LA Hacks 2020 Award Winner github.com/icevin/clsrm

**Augmented Google Classroom via SMS – Twilio, Flask, Google App Engine** *Spring 2020*

* 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